Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

May 25, 1959

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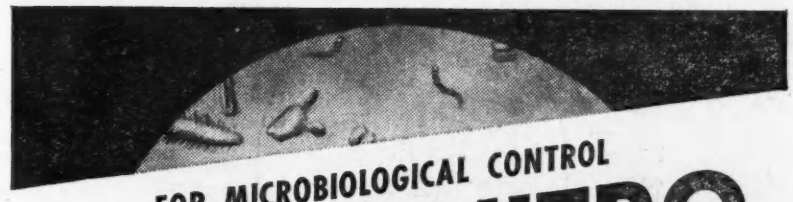

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PROPERTIES	TRIS NITRO $(CH_2OH)_3CNO_2$
Molecular Weight	151.12
Melting Point °C, approx.	175-176
pH of 0.1M Aqueous Solution at 20°C	4.5
Solubility in water, g/100 ml at 20°C	220
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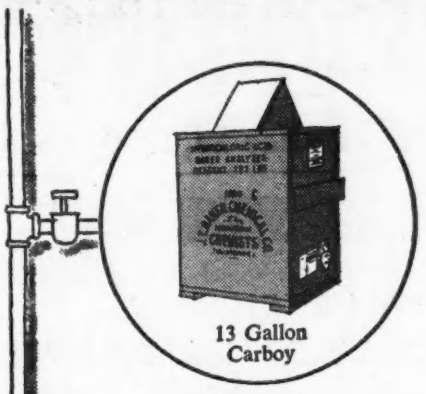
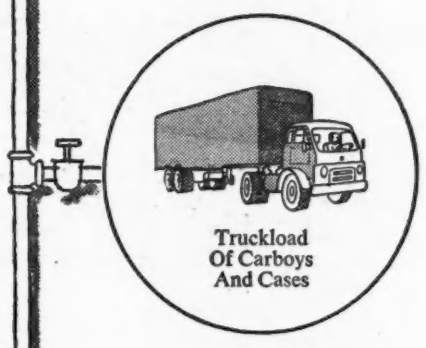
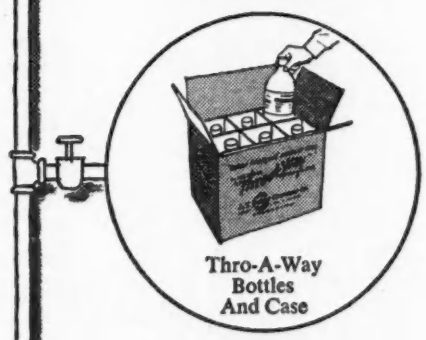


13 Gallon Carboy

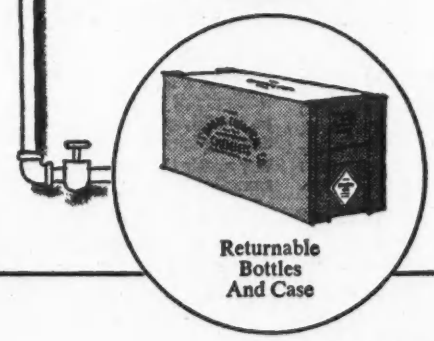
6½ Gallon Carboy



Truckload Of Carboys And Cases



Thro-A-Way Bottles And Case



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BAKER REAGENT SPECIFICATIONS

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Assay (as *)	99.8%	36.5-38.0%	69.0-71.0%	95.0-98.0%	28.0-30.0%
Residue After Evaporation or Ignition	0.0010%	0.0004%	0.0004%	0.0004%	0.001%
Carbon Dioxide (CO_2)	—	—	—	—	0.002%
Chloride (Cl)	0.0001%	—	0.00005%	0.00001%	0.00005%
Phosphate (PO_4)	—	—	—	—	0.0001%
Sulfate (SO_4)	0.0001%	0.0001%	0.0001%	—	—
Sulfite (SO_3)	—	0.0001%	—	—	—
Total Sulfur (as SO_4)	—	—	—	—	0.0001%
Substances Reducing Permanganate	**PACST	—	—	0.0001%	**PACST
Nitrate	—	—	—	<0.00005%	—
Ammonium (NH_4)	—	0.0003%	—	0.0001%	—
Arsenic (As)	—	0.000001%	0.000001%	0.000001%	—
Heavy Metals (as Pb)	0.00005%	0.0001%	0.00002%	0.0001%	0.00005%
Iron (Fe)	0.00002%	0.00001%	0.00002%	0.00002%	0.00001%
Copper (Cu)	0.00005%	0.00005%	0.00005%	0.00005%	—
Nickel (Ni)	0.00005%	0.00005%	0.00005%	0.00005%	—
Specific Gravity	—	1.185-1.192	1.416-1.424	1.84	0.902-0.896
Free Chlorine	—	0.0001%	—	—	—
Substances reducing $K_2Cr_2O_7$	PT	—	—	—	—

**Passes A.C.S. Test.

Oil, Paint and Drug Reporter

Vol. 175 No. 22 30 Church St., New York 7, N.Y. May 25, 1959

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Gases Coming Into Own

The industrial gases are coming into their own in the chemical industry. While some have grown important in old uses, the majority have found employment along some of the new highways and byways being traveled by chemicals these days.

Take hydrogen, for example. J. Ernest Nachod, jr., manager of chemical plant sales for Air Products, Inc., of Allentown, Pa., cited this gas in a talk before the Chemical Market Research Association at its annual conclave in New York last week.

Hydrogen is finding growing use as a chemical raw material. Yet, it was just a few years ago that most "of the hydrogen containing vent gases from petroleum crackers were burned," Mr. Nachod said.

Acetylene is another gas whose basic position hasn't changed so radically, but whose use pattern has shifted with the times and is now carrying more weight in the chemical field. Total acetylene production, Mr. Nachod said, has increased from 3 billion to 10.5 billion pounds in the last ten years.

Helium—a gas whose production at present rests entirely with the government — has realized some slight potential in the chemical industry, though all areas haven't been investigated.

Helium is also used for the shield arc welding process. However, top dog in this field is the gas argon. This material, which also found wide use in the refining of such metals as titanium, zirconium and tantalum, has fallen off in this latter field these past years with the shutdown of various metal producing facilities.

Nitrogen, Mr. Nachod pointed out, is another gas growing in use in the chemical field. A major reason, he suggested, is the "spectacular rise in the use of liquid nitrogen."

Petrochemicals Growth Rate: Now Over 13 Percent a Year, Won't Be Half That by 1965

Petrochemicals, which have been increasing in dollar value at the spectacular annual rate of 13.4 percent, very likely will slow down to a more sedate pace during the next half-decade. Quite probably, to less than half their leapfrog growth of the last few years. This sobering look into the future comes from Robert L. James, senior staff associate for Arthur D. Little, Inc., Cambridge, Mass., via an address delivered last week at the annual meeting of the Chemical Market Research Association in New York.

The James forecast is broken down into four major categories: **methane chemicals** (ammonia, methanol, methyl chloride, methylene chloride, chloroform and carbon tetrachloride), **ethylene chemicals** (ethyl alcohol, ethyl ether, styrene, ethylene dichloride, ethyl chloride, polyethylene, ethylene oxide, ethylene dibromide), **propylene chemicals** (isopropyl alcohol, isopropyl ether, propylene glycol, dipropylene glycol, dodecyl benzene and phenol from cumene) and **butylene chemicals** (butyl alcohols, butadiene and isobutylene).

Other stories on the Chemical Market Research Association's New York meeting may be found elsewhere on this page and on pages 4, 5 and 7.

Here's what Mr. James predicts for the next five years:

- Methane Chemicals — A rather slow growth rate, perhaps in the range of 4 to 5 percent a year through 1964. At least 3.1 billion pounds of new capacity will be added.
- Ethylene Chemicals — A reasonable growth rate of from 6 to 7 percent a year through '64. Expansion: 3.5 billion pounds.
- Propylene Chemicals—Growth at the annual rate of 5 to 6 percent is likely for the next five years. Some 760 million

—*Continued on page 37*

DIRECTOR OF MARKETING: Morrison M. Bump, appointed director of marketing for United Carbon Company, Charleston, W. Va., and its subsidiary, United Carbon Company, Inc.

Syndets Makers Are Happy to See More People—And More Syndet Use

People are not becoming any cleaner these days, but there are a lot more people around than there used to be—and that is one of the reasons that the synthetic detergents manufacturers can look to a continuing rise in the sale of their products—an estimated 3.76 billion pounds by 1965. And to that they can add the fact that the syndets are constantly making more and more friends among the people who once had believed only in the virtues of the old-fashioned soaps—which by 1965 are expected to account for 940 million pounds, or a mere 20 percent of the market.

That was part of the message Ralph Macon, of Atlantic Refining Company, had for members of the Chemical Market Research Association at their meeting in New York last week.

Last Year's Figures Lower

Mr. Macon pointed up his prediction on 1965 syndets consumption by noting that last year sales amounted to 2.95 billion pounds. And as for soaps, they stood at 1.14 billion pounds in '58.

Mr. Macon, whose title with the Philadelphia firm is market and product development manager of the chemicals division, also told the gathering he thought synthetic detergents would continue to grow in the toilet bar field.

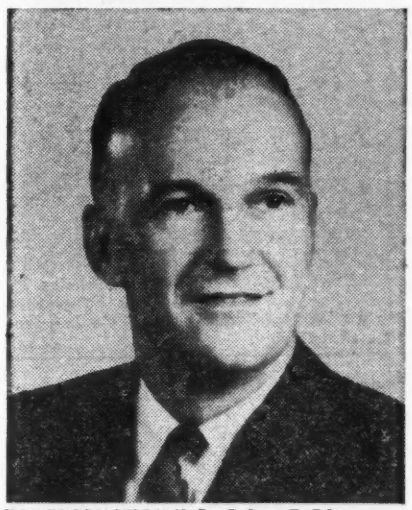
He said that the prospects for industrial applications look pretty good. They are expected to continue expanding, he added, even without any radical changes in the growth rate.

The automatic laundry and the dishwasher have turned out to be friends of the syndets, Mr. Macon went on, although there was a time when the seers in the industry thought it would be otherwise.

Here is the way Mr. Macon told the CMRA people about it:

"Appliance improvements have resulted in greater consumption of practically all types of detergent formulations. When a chore such as laundering or dishwashing is made more convenient, the housewife consumes more detergents. As a recognized authority in the detergent and soap

—*Continued on page 44*



PCB PRODUCTION V. P.: Robert T. Edgar, appointed vice-president in charge of production by Pacific Coast Borax Company, New York, a division of United States Borax & Chemical Corporation.

Plastics Installation Outgrows Its Capacity

Seiberling Rubber Company likes the way its young plastics division is coming along. The unit—which began operations as an entirely new venture in 1955—has outgrown its plant in Newcomerstown, Ohio, and now Seiberling has had to start construction of an addition to provide more space for the enterprise.

The addition will provide 20,000 square feet of new production space, laboratories, and office area, and is scheduled for completion this spring.

With the added space and equipment to be installed, the plant's capacity will be "greatly increased," Seiberling said. All operations now are on 24-hour schedules, and the plant has worked many Saturdays and Sundays in recent months.

"We will expand production of our present lines and add new products," the company added. "The goal is to double

—*Continued on page 39*

Cotton Valley Solvents Bought Up by Triangle

All the capital stock of Cotton Valley Solvents, Inc., has been acquired by Triangle Refineries, Inc., Houston, Tex., a wholly-owned subsidiary of Kerr-McGee Oil Industries, Inc., Oklahoma City, Okla.

The company's 2,000-barrel-per-day refinery at Cotton Valley, near Shreveport, La., produces aliphatic naphthas. No changes in operations or personnel are planned.

Jack Coast, one of the former owners, remains as president and operating head. J. Wade Shemwell, Shreveport district sales manager for Triangle, has been named vice-president of Cotton Valley.

DuPont Forms New Dep't

E. I. duPont de Nemours & Co., Wilmington, Del., has formed an industrial and biochemicals department. The firm says the move will strip the polychemicals unit of some of its responsibilities, thus enabling that section to concentrate on work with plastics. According to duPont, the new department will handle all operations of the Grasselli chemicals department, which will be discontinued.

Gen'l Aniline Will Face Senate Body Once Again

The General Aniline & Film Corporation merry-go-round is going to take another whirl. A hearing has been set by the senate subcommittee on alien property legislation for June 11 to consider the Keating bill (S 1103) and other legislation designed to clear the way for sale of the New York firm, in advance of a court ruling on its ownership.

Recalling that this and other bills before the committee have been the subject of extended hearings in prior congresses, subcommittee chairman Olin D. Johnston of South Carolina is urging prospective witnesses to submit only new evidence and not repeat that which is available in the prior record of hearings.

Under existing law no property seized by the government from enemy aliens during the war can be disposed of so long as litigation is pending involving claims against that property. The Keating bill would change the law so that such property could be disposed of and the proceeds placed in escrow prior to a court ruling on the claim.

Whither Borates? They'll Follow Research, Demand

Where are borates going? Wherever research and the demand pattern of the US carry them. M. H. Pickard, vice-president for market research and product development of US Borax & Chemical Corporation, New York, and a veteran observer on the borate scene feels that research and domestic demand have already carried the chemical a long way.

Speaking at the annual meeting of the Chemical Market Research Association in New York last week, Mr. Pickard quoted OPD's "in-depth" borax survey, (OPD, 1/12/59)—showing borax consumption (expressed in B_2O_3 content) reaching 643,000 tons by 1969—and defined the figure as "reasonably conservative."

The OPD figure is conservative, Mr. Pickard said, because of what the industry has "been doing in several recent ten year periods." Also, he marked the omnipresent potential of the HEF (high energy fuel) program as an unknown factor that may strongly influence the future of borates.

This latter he soft-pedaled a bit, however, warning that the industry doesn't want to be "carried away with the much publicized" program, though on the other hand he pointed out that the industry is not "unduly discounting the role of boron therein," either.

Theme of Mr. Pickard's argument was that borates have proved themselves on the business scene these past years and stand very firm both research-wise and also in potential.

Production, he pointed out, has continued to increase. Production for 1950

—*Continued on page 44*

Insecticide 'Fallout' Seen An End to Mosquitoes

Insecticide " fallout" may be the answer to mosquitoes. At least this is the way four government scientists, who "stumbled" across the discovery, reported it last week.

The scientists—members of the staff of the Public Health Service's Savannah, Ga., communicable disease center—reported the discovery occurred when they left a bag of insecticide overnight in a laboratory where mosquitoes were kept for testing.

In the morning, nearly all of the insects were found dead. Further experiments indicated, the scientists reported, that fumes from insecticides killed mosquitoes even when insecticides were put in a plastic-lined paper bag.

Air Pollution to Stay With Us, So PHS Is Asking a Free Hand

Air pollution is a national problem that promises to grow worse before it becomes better—and for that reason the Public Health Service wants congress to remove the termination date on PHS research authority in that field. It also wants no ceiling on the amount of funds to be available should there be a sudden —and perhaps expensive—breakthrough in the research program. This is the position of the agency expressed to the house interstate commerce subcommittee on science and safety by Dr. Theodore J. Bauer, deputy chief of PHS's Bureau of State Services.

Dr. Bauer also wants the law changed so that the Secretary of Health, Education and Welfare can, on his own initiative, conduct investigations and hold public hearings on air pollution problems which are of a particularly broad significance.

Testifies on Four Pending Bills

Dr. Bauer testifed before the committee during hearings on three pending bills to continue the air pollution research program indefinitely and on the senate approved bill that would extend the law four years to June 30, 1964, with a ceiling of $7.5 million on research funds.

Extension of the law also was supported before the committee by Dr. Alexander Rihn, jr., executive secretary of the New York State Air Pollution Control Board.

The present air pollution research authority which was granted to Public Health Service in 1955 expires on June 30, 1960. During the period, the agency has spent about $17 million on the program. Dr. Bauer said that progress has been made on all fronts and significant findings have resulted that are beneficial to all groups concerned with air pollution.

The new authority to conduct investigations and to hold public hearings, which the agency seeks, would be used only for problems of broad significance, either because they affect large regional areas or because they occur in many areas.

Dr. Bauer assured the committee that he regards air pollution control as a local matter and the responsibility of PHS to

—Continued on page 63

Rx for the Drug Field: Better Communications

The drug maker and the physician, long-time allies in the conflict against disease, have got to clear up an old problem: communications.

Representatives of the two fields: William T. Doyle, president of Nordson Pharmaceutical Laboratories, Irvington, N.J., and Dr. Pascal F. Lucchesi, executive vice-president of Albert Einstein Medical Center, Philadelphia, expressed this viewpoint at a symposium in the center last week.

They emphasized the need for better technics in the "dissemination of new-drug information to the medical profession."

Pesticides Beckoned By Three New Marts

Three new market areas are opening up for pesticides: (1) the federal highway program, which will add at least a million acres of right-of-way that will be needed to be kept free of insects, weeds and plant diseases; (2) legislation that will force anti-termite measures to be used in housing where federal money is used, and (3) pesticides to control pests attacking turf.

The three potential markets were cited last week by Dr. H. L. Haller, assistant to the administrator of the Agricultural Research Service of the Department of Agriculture, in an address at the annual meeting of the Chemical Market Research Association in New York.

In addition, Dr. Haller pointed out that the pesticide market is marked for growth by the increased need for food for our

—Continued on page 51

Purex Signs Agreement For Franklin Acquisition

Purex Corporation, Ltd., South Gate, Calif., has signed a merger pact for the acquisition of Franklin Research Company, Philadelphia, through a stock exchange. Under the agreement, Franklin Research will operate as a subsidiary of Purex, under its present management. A spokesman for the merging firms identified the move as a "springboard to greater future expansion."

Atlantic Refining Facility Is Completed for Paraffin

Construction of a methyl ethyl ketone de-waxing and de-oiling plant for the manufacture of paraffin waxes has been completed by Badger Manufacturing Company, Cambridge, Mass., at the Philadelphia refinery of Atlantic Refining Company.

The plant has a rated capacity in excess of 216 million pounds per year of paraffin waxes of low oil content (some as low as 0.2 percent). Atlantic will market much of the product to manufacturers of wax-coated food packages.

Alumina Plant Is Opened

Kaiser Aluminum & Chemical Corporation, Oakland, Calif., has begun production at its new $70 million alumina plant in Gramercy, La.

The Week's Price Changes

Castor Oil, Clove Leaf Oil, Eugenol, Soybean Oil Advanced. Copra, Lemon, Orange Oils, Peanut Meal, Tallow Reduced.

Prices Advanced

Castor oil, No. 1, Brazil, ½c. per lb. (p. 56).
Citral, 30c. per lb. (p. 53).
Clove leaf oil, 15c. per lb. (p. 53).
Coconut oil, crude, N.Y., ¼c. per lb. (p. 56).
Corn oil, crude, ¼c. per lb. (p. 56).
Refd., ¼c. per lb.
Cottonseed oil, crude, ⅝c. per lb.
Refd., ⅝c. per lb.
Eugenol, 50c. per lb. (p. 53).
Orange oil, West Indian, 40c. per lb. (p. 53).
Soybean oil, crude, ¼c. per lb. (p. 56).
Refd., ¼c. per lb.

Prices Reduced

Abies Siberica oil, 5c. per lb. (p. 53).
Copra, $5 per ton (p. 56).
Greases, ½c. per lb. (p. 56).
Lavender flower oil, 50c. per lb. (p. 53).
Lemon oil, Messina, 25c. per lb. (p. 53).
Linseed meal, $5 per ton (p. 53).
Orange oil, Calif., expressed, 30c. per lb. (p. 53).
Florida, 15c. per lb.
Peanut meal, $1 per ton (p. 53).
Soybean meal, $3 per ton (p. 53).
Tallow, inedible, ½c. per lb. (p. 53).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:

(100—1949 average)

May 22, 1959	May 15, 1959	May 23, 1958
110.43	110.61	109.87

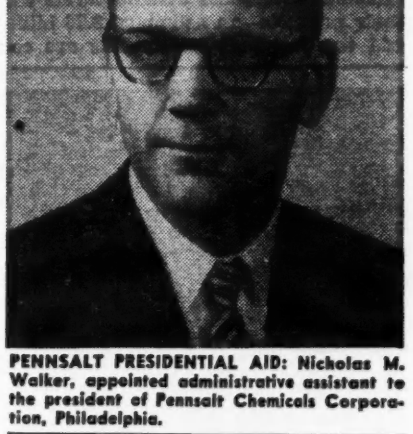
Auto Chemicals Up and Down

Automotive chemicals are having their ups and downs. Production of cleaners and sealers for use in automobile cooling systems was some 580,000 units greater last year than in 1957, while brake fluid output was off about 5.5 percent in 1958. As reported by the Chemical Specialties Manufacturers Association at its midyear meeting in Chicago last week, slightly over 4.6 million single-treatment packages of the cooling system cleaners were manufactured in '58 for use in the nation's motor vehicles. CSMA said that slightly less than 10 million gallons of brake fluid were turned out by US manufacturers last year. This compares with 10.5 million gallons produced in '57.

The 1958 production of cooling system sealers totaled 12.7 million units, as compared with 11.7 million units turned out in 1957. Combination water pump lubricant and rust inhibitor output last year amounted to 9.2 million single-treatment packages, compared with 7.4 million units in '57.

Cooling system inhibitors, designed to combat rust formation, also were included in the CSMA survey, but the report shows only 1958 production of dry types—442,000 units. Last year's output of liquid form inhibitors was "too revealing" to be released, the association said.

Despite last year's decline, attributed to the 1958 economic recession, there is a definite trend toward the use of better brake fluids, the association declared.



PENNSALT PRESIDENTIAL AID: Nicholas M. Walker, appointed administrative assistant to the president of Pennsalt Chemicals Corporation, Philadelphia.

Callery Chemical Cuts Prices on Liquid Solvent

Callery Chemical Company, Pittsburgh, Pa., has cut the prices on methyl borate-methanol azeotrope, a colorless liquid, non-aqueous solvent.

New prices for methyl borate-methanol azeotrope are: 17 cents a pound in tank-cars, 18 cents in tanktrucks, 19½ cents for truck or carload lots of 55-gallon drums (390 pounds net), and 21 cents for less than truck or carload lots of drums.

All prices are f.o.b. Lawrence, Kan., with minimum freight allowed to destination.

Smith-Douglass No Longer Will Identify Its Divisions

Smith-Douglass Company, Norfolk, Va., is discontinuing its various division identities and the Smith-Douglass corporate name will be used for all product manufacturing divisions, effective August 1.

Product names, including "Coronet Defluorinated Phosphate" and "Coronet Granular Dikal," will be retained. The Coronet manufacturing division will become a portion of the chemical division of the parent Smith-Douglass Company.

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IRENEE DUPONT RETIRES: Irenee duPont, president of E. I. duPont de Nemours & Co. from 1919 to 1926, who retired last week from the company's board of directors of which he had been honorary chairman since 1954. Mr. duPont, who is eighty-two years old, is being succeeded on the board by his thirty-nine-year-old son, Irenee duPont, jr.

Rubber Process, One-Shot, Offered

Flintkote Company's subsidiary, Patent & Licensing Corporation, has a new dewatering process for the manufacture of natural and synthetic rubber available for licensing. According to the New York firm, the new process—invented by Dr. Paul Dasher—marks the first time that "raw rubber can be mixed and dried in one operation."

A spokesman for the firm pointed out that in addition the process, which uses a special Farrel-Birmingham Banbury mixer, eliminates the need for costly drying and cleaning epuipment and "substantially boosts the volume of rubber output."

The spokesman noted that the licensing of the Dasher process is under a group of US patents controlled and issued by Patenting & Licensing Corporation last year and pointed out that one major rubber manufacturer is currently utilizing on an experimental basis the new process.

The spokesman, suggesting that the new process will have wide use during the next five years, said that savings of at least $5 to $10 per ton in the manufacture of synthetic rubber will be one result of its use.

Drying, it was added, is accomplished by applying an intense shearing action to the raw rubber, thus causing an internal heating above the boiling point of water which then flashes off as steam. In addition, separate or preliminary pressing is eliminated because the Banbury assumes this part of the operation, too.

Parke-Davis Labor Pact A Drug Trade Pace-Setter

Parke-Davis & Co., fresh from the bargaining table where it signed a pact with the Oil, Chemical & Atomic Workers Union, feels its agreement is a pace-setter for the industry.

The Detroit, Mich., drug firm notes that while most companies in the industry are working under one- or two-year agreements, the new Parke-Davis pact is for three years.

While not unique among the drug makers, the firm says, this does forecast a trend toward longer contracts.

Parke-Davis feels the direction being taken is to the good. Says the firm, the new contracts, if extended throughout the industry, would assure labor peace for a highly competitive industry during a period of expansion, both in facilities and research.

Pesticide Industry Is Winning Its Request for Plant Chemicals Under Insecticide Law's Wing

The pesticide industry seems to be winning its point—its legislative request that chemical plant regulators, defoliants, desiccants and nematocides be made subject to regulation by the Department of Agriculture under the federal insecticide law is on its way towards enactment. The house agriculture committee lost no time in approving the bill (HR 6436) last week, following brief hearings, and early passage by the entire house is expected. Testimony by some half-dozen witnesses was all favorable and emphasized the need for placing these products under the insecticide law so as to point the way for achieving uniformity in state regulations.

The only discordant note was a hint from USDA that the bill may require some revision of the fee system for enforcement of the insecticide law.

Control to Rise 40 Percent

M. R. Clarkson, deputy administrator of the Agricultural Research Service, said that registration and enforcement activities under the bill will be increased about 40 percent, which "would make it necessary for us to review the need in this field, in relation to our otner needs and financial resources, as a part of the regular budget process."

Cost of the enforcement program, it was estimated, would be about $350,000 annually.

One change was made in the bill before it was reported by the committee. This was to close a loop-hole which was found by the Department of Health, Education and Welfare when it was asked to comment on the legislation. The department noted that the bill would not be effective until March 5, 1960 or 1961 if the Secretary of Agriculture chose to extend it.

Since the bill has the effect of transferring some chemicals from coverage under existing law to the new law, HEW pointed out that these chemicals would go unregulated until the new law became effective. It suggested an amendment to continue such chemicals under existing law until the law is effective. The amendment was adopted by the committee.

Lea F. Hitchner, executive secretary of the National Agricultural Chemicals Association, which drafted the bill, explained that the four groups of chemicals to be covered by the insecticide law are comparatively new substances that were not in use when the insecticide law was enacted twelve years ago. If they had been in

—Continued on page 37

'Sigmamycin' Ads Mislead, Says FTC to Chas. Pfizer

Deceptive advertising by Chas. Pfizer & Co., Brooklyn, N.Y., for its antibiotic "Sigmamycin" was charged by the Federal Trade Commission last week. The advertising allegedly misled practicing doctors to prescribe the drug for their patients.

The commission said the challenged advertising, mailed to members of the medical profession throughout the country, contained reproductions of doctors' business cards and prescriptions.

The names shown are fictitious and not those of actually practicing doctors who had prescribed or recommended "Sigmamycin" (also called "Signemycin"), as implied, the FTC's complaint alleges.

The deception has diverted trade unfairly from competing antibiotic manufacturers, the complaint concludes.

Pfizer is granted thirty days in which to file an answer to the complaint.

Callery in Propellants Pact

A $175,000 contract to evaluate a new and classified rocket propellant has been awarded Callery Chemical Company of Pittsburgh, Pa., by the National Aeronautics & Space Administration.

CMRA'S NEW PRESIDENT: James E. Sayre, manager of market research for the plastics and coal chemicals division of Allied Chemical Corporation, New York, who was elected last week as president of the Chemical Market Research Association. (Other stories on the CMRA meeting appear on pages 3, 4 and 7.)

Insecticide Liquids: Business Streams In

Business is just streaming in for makers of liquid insecticides. Authority for this is the Chemical Specialties Manufacturers Association, which reported last week at its midyear meeting in Chicago that nearly 10 million gallons were sold in 1958 to control pests. This is up about 11 percent from '57.

However, sales of dry powder insecticides, which amounted to 27.9 million pounds last year, were down.

Biggest increase came in the use of insecticides for stored grain insects. This was nearly 70 percent higher than 1957 and, commented CSMA, probably reflects the greater emphasis on keeping this food commodity insect free.

As in previous years, livestock sprays and emulsion concentrates accounted for the largest portion—about 35 percent—of the liquid-type control agents, with

—Continued on page 44

Cyprus Mines, Dutch Firm Form Chemical Subsidiary

A Los Angeles firm—Cyprus Mines Corporation—and a Dutch manufacturer, Albatros Superfosfaatfabrieken N. V., of Utrecht are organizing a subsidiary for the manufacture of chemicals in the Netherlands.

According to a report in the *Netherlands Economic Bulletin*, the subsidiary—to be called Albatros Zwavelzur -en Chemische Fabrieken N. V.—has already begun construction of a sulfuric acid plant at Pernis (near Rotterdam) which will use pyrites as base material.

Chemical People Stand Toe to Toe With O'Mahoney

The chemical industry is dead-set against the O'Mahoney bill which would require big corporations to give the government thirty days advance notice of contemplated price increases. Here is the way chemical men reason out their position:

There may be reason for government intervention in the free movement of prices during a national emergency, but there is absolutely no justification for such action at other times.

Sentiments Sent to Kefauver

The chemical industry's sentiments on the controversial legislation (S 215) were restated in a letter to the Kefauver monopoly investigating committee last week.

Signer of the letter was John E. Hull, president of the Manufacturing Chemists Association. Speaking also for the Synthetic Organic Chemical Manufacturers Association, Mr. Hull has this to say:

"Any substantial move, under current circumstances, to place direct general government control over specific company or industry prices, is incompatible with the institutions of a free economy.

"It is our view that at all times, with the possible exception of war or temporary periods of grave emergency, prices in the non-public utility sector of the economy should be subject to decreases and increases free of any governmental price-setting or price-inducing factors except those implicit in our existing antitrust laws, tax measures and the regulations of foreign trade and tariffs."

The Federal Trade Commission also came out strongly against the bill. FTC Chairman John W. Gwynne told the committee that the bill would have an impact upon the threads of the economy tending toward price rigidity and would impede price variations in markets where there is currently considerable price flexibility.

He argued that the hearings on the proposed price increases would take place after the increases occured because the thirty-day waiting period would not provide the commission with sufficient time to prepare the investigation. Any increase in the mandatory waiting period before

—Continued on page 63

Chemical Makers' Dividends Higher in First Part of Year

Publicly reported cash dividends of chemical manufacturers during April and for the first four months of this year were slightly ahead of the comparable period of 1958, according to the Department of Commerce.

April dividends totaled $26.4 million as compared with $24.1 million in April last year. For the first four months of this year the cumulative total was $252.7 million against $248.4 million last year.

Oil refining companies paid $4.4 million in cash dividends in April for a total of $363.1 million for the first four months. Last year the April total was $4.3 million and the four months total was $352.9 million.

Auto Chemical Spectre: A Lube-Free Chassis

Dead ahead for automobile chemical makers is the loss of one of their large-volume markets. According to Arthur F. Connolly of the Simoniz Company, no grease lubrication is a sure thing on the chassis of at least two 1960 model cars.

Detroit sources have indicated that within two or three years nearly all new cars will have a lube-free chassis, he told the Chemical Specialties Manufactuers Association in Chicago last week.

"A non-lubricated lifetime fabric bearing has been perfected, which, according to Detroit sources, is claimed to offer greater fuel economy, lower first cost, lower replacement cost and no lubrication. This means no greasing on these new cars," Mr. Connolly said.

DuPont, Macy's Go Hand in Hand Along Retail Path

Two old line firms—E. I. duPont de Nemours & Co. and R. H. Macy & Co., the big New York department store—have joined forces in a promotion of chemicals and synthetic materials on a retail level. And the venture appears to be merely the beginning of a promising relationship. Another three promotion campaigns have been slated for later this year.

According to the Wilmington, Del., chemical manufacturer, the present promotion—entitled "DuPont All Around You"—began last week and runs through the first week in June.

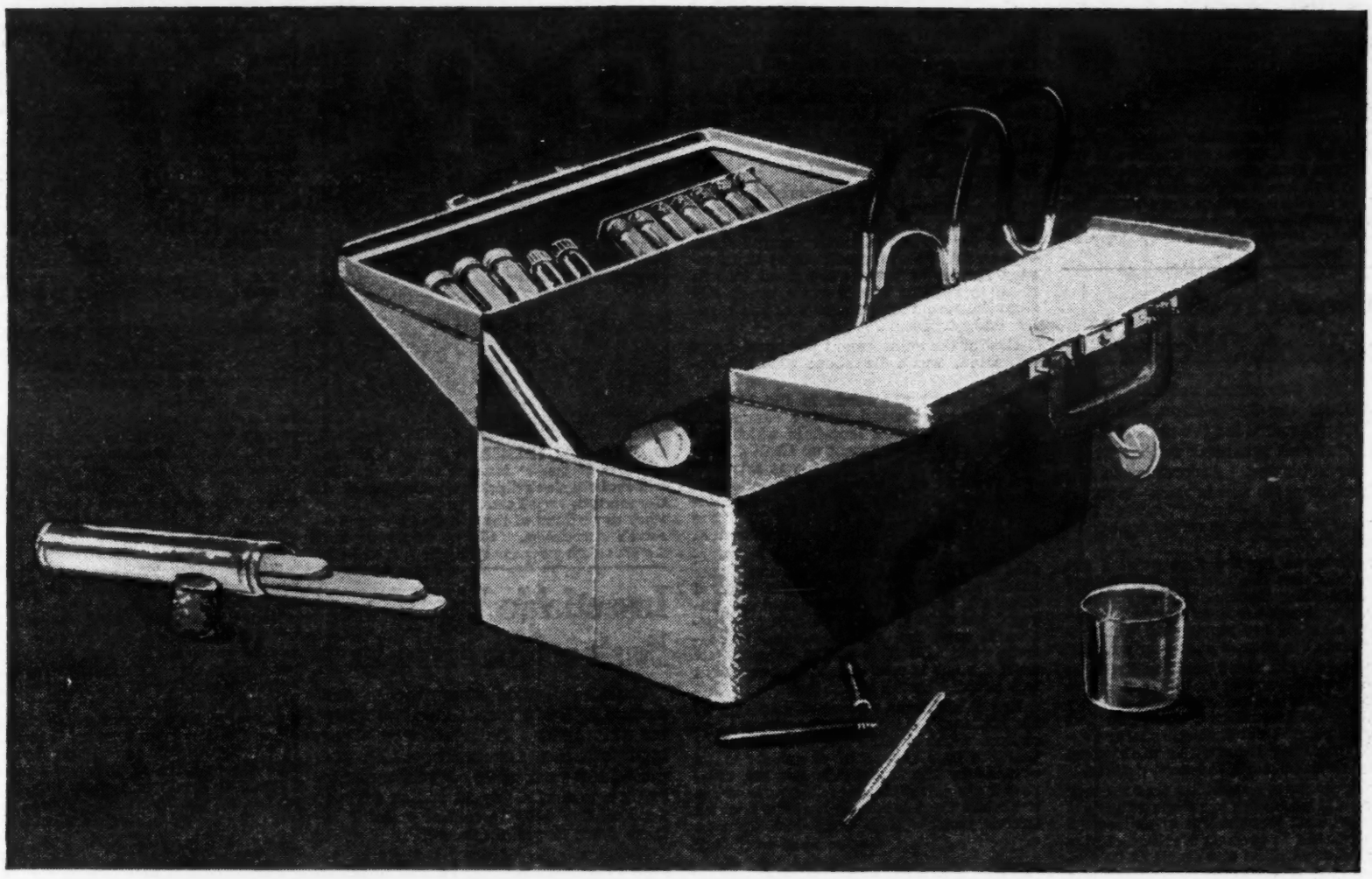
Exploitation of duPont chemicals and synthetics, the firm says, will take place in all the Macy stores throughout New York and environs and will include everything from a chemical circus (title: the "Magic Barrel") to demonstrations (wash and wear fibers, etc.) to exhibits of just about everything.

Macy's initially pushed a number of promotions last year in celebration of its centennial (considered an old timer in retail New York business, Macy's is a mere stripling alongside duPont which was founded in 1802). Associating with it in the series were such companies as American Viscose Corporation and a number of drug firms.

Macy's found last year's promotion accomplishments so gladdening to its heart that it decided to take a plunge in the same direction this year. A survey of

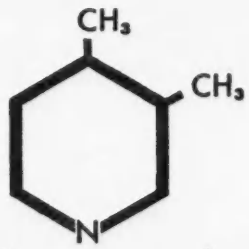
—Continued on page 63

a **REILLY** chemical



JOINS BATTLE AGAINST PAIN

3,4-Lutidine, the youngest of the Reilly family of synthetic chemicals, is a basic building block for a new group of pain-killers called Benzomorphans.



Drug manufacturers rely on Reilly for their 3,4-Lutidine—thus their work on this new weapon against pain proceeds on schedule.

3,4-Lutidine

REILLY TAR & CHEMICAL CORP.

MERCHANTS BANK BUILDING — INDIANAPOLIS 4, INDIANA

HETEROCHEMICALS — *SALES OFFICES IN PRINCIPAL CITIES* — COAL TAR CHEMICALS

'Glamor Girl' Is Gaining

Plastics, the "glamor girl of the chemical industry," is putting on a little weight. But this is all to the good. Heavier models seem to be in vogue this year on the business stage.

This is the way Calvin Bullock, New York financial house, sees the picture. In the firm's business review, "Perspective," a glowing report predicts "continued rapid growth in plastics is likely from those now in existence and undoubtedly also from substances not yet commercially practicable."

And just to make sure it is understood how wide open the plastics future really is, the report adds, "the only bounds . . . would seem to be the imagination and ingenuity of the chemists."

Calvin Bullock drew its conclusion in a survey of six major types of plastics — polyethylene, vinyl, polystyrene, phenolic resin, urea and melamine resins, and cellulosics.

Its survey shows plastics facing continued rapid growth "although competition will remain intensive."

With the three currently leading plastics—polyethylene, vinyl and styrene—there are varying degrees of excess capacities over current production, the report says.

However, it is anticipated that growing demand "may take up this slack" over the next five years.

Calvin Bullock takes note of the fact that "a characteristic of the plastics industry seems to be a rapid rate of technological development evidenced by introduction of new plastics with special properties."

"Despite this seemingly high degree of intra-mural competition, which, if anything seems to be heightened, the three top plastics continue to grow and maintain their dominance," the report adds.

Insecticides, Fungicides, Weed Killers Aplently This Year, Government Says

There will be plenty of insecticides, fungicides and weed killers this year, says the Department of Agriculture. Although the early season demand is larger than last year, capacity to produce and formulate pesticides is of such size and adaptability that shortages will be of short duration, and involve mostly those chemicals recently developed. In its annual outlook report on the pesticide situation, prepared by the agricultural chemicals staff of the Commodity Stabilization Service, the department reported that production of pesticides last year was well above the 1957 level, on the basis of limited data available.

MARKET DEVELOPMENT MGR.: Walter J. Dugan, jr., appointed manager of rubber market development for the silicone products department of the General Electric Company, Waterford, N. Y.

Increased production of DDT, the aldrin-toxaphene group, and many materials recently in commercial manufacture more than offset the reduced output of benzene hexachloride, copper sulfate, 2,4-D and 2,4,5-T.

Total output of the synthetic organic pesticides was estimated for 1958 at 580 million pounds, a sharp rise over the 1957 total of 511,552,000 pounds and topping the previous record total in 1956 by little more than 10 million pounds.

Ten years previously in 1947, production totaled only 124,259,000 pounds.

Domestic disappearance of chlorinated

—Continued on page 57

Thompson Ready to Build

Thompson Chemicals Corporation, St. Louis, Mo., has bought a five-acre plant site in that city, and plans to erect a four-unit manufacturing plant. Ground will be broken in July. One of the new units will be used to manufacture a patented grain control chemical for use in corn plantings.

CMRA Picks Dow-Man As New President-Elect

The Chemical Market Research Association has elected J. William Everson of Dow Chemical Company, Midland, Mich., as its president-elect.

He will automatically succeed James E. Sayre, CMRA's 1959-60 president (see picture story on page 5), next year.

Also elected were treasurer, J. Ralph Macon, Atlantic Refining Company; secretary, Christopher G. Boland, 3rd, Kidder, Peabody & Co., and directors Borden R. Putnam, American Cyanamid Company, and Walter C. Gwinner, Enjay Company.

Chemical Specialties Growing: Aerosols at 470 Million Units; Polymer Polish Sales Double

Chemical Specialties Manufacturers Association had two big growth stories to tell last week at its midyear meeting in Chicago. Production of non-food aerosols, the association reported, hit an all-time high in 1958: an estimated 470 million units. This represents a 20 percent increase over the 1957 performance of the thirteen-year-old industry. What's more, said CSMA, sales of polymer and resin type floor polishes for industrial, institutional and other commercial building last year nearly doubled the 1957 totals.

A breakdown of the aerosol survey shows that hair sprays accounted for about 27 percent of last year's record-breaking production, topping for the third consecutive year the hundred-odd types of products now available in the self-spraying, push-button packages.

Three Products Grouped for Second

Closely grouped for second place among the high-volume products were room deodorants, which made up 15 percent of the 1958 total, and shaving lather and insect sprays, which accounted for 13 and 12 percent, respectively.

Output of tooth paste and dental cream in pressurized packages, reported for the first time, totaled some 12.9 million units. These products first appeared on the US market only a year ago.

The 1958 survey, eighth annual study of aerosol production conducted by CSMA, indicates that largest sales of pressurized products were in the six-ounce, or smaller, size containers.

Larger, economy-size packages of sixteen ounces or more increased in popularity with consumers last year, particularly for such products as spray paint and insecticides.

In 1958 sales of newer polymer and resin polishes rose to 3,250,987 pounds, up 49.3 percent from the preceding year.

Besides showing a spectacular rise for polymer and resin type floor polishes, the 1958 survey on polishes, finishes and cleaners also records impressive gains in sales of emulsion paste waxes and in synthetic detergent type liquid floor cleaners.

Sales of self-polishing wax emulsions containing less than 16 percent non-volatile material amounted to 8,740,129 pounds

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SPI's NEW PRESIDENT: Russell C. Weigel, assistant general manager of the polychemicals department of E. I. duPont de Nemours & Co., Wilmington, Del., who on June 1 will start a two-year term as president and director of the Society of the Plastics Industry.

Thorium Plant in Canada Starts Regular Production

The Elliot Lake thorium plant of Rio Tinto Dow, Ltd., is now in regular production in Canada on all planned products. Trial shipments of the various products have recently been made and the plant is thus established as a major new source of thorium raw materials.

This unit, which was constructed at a cost of approximately $1 million, represents a new Canadian industry and a new world source of thorium raw materials. It is an affiliate of Dow Chemical Company, Midland, Mich., and Rio Tinto Management Services, Ltd., Toronto.

The operations are based on the use of solvent extraction (a relatively new process industry tool) for the recovery of thorium from the waste liquors produced in the extensive uranium milling operations of the Blind river area.

This first operating unit is located adjacent to the Quirke Mill of Algom Uranium Mines, Ltd..

US Exports Limping, Merck Executive Says

Is the United States—because of its high production costs—pricing itself right out of the international trade picture? One top executive, Antonie T. Knoppers, president of Merck Sharp & Dohme International, a division of Merck & Co., Rahway, N.J., answered "yes" last week in a talk before the National Industrial Conference Board in New York.

Warning that there is indeed some basis for concern over the shifting American position, Mr. Knoppers cited these statistics:

"In the past five years, the foreign sales of eight US pharmaceutical companies increased from $167 million in 1954 to $260 million in 1958, an increase of 36 percent.

"My own firm, Merck & Co.," he added, "increased its foreign sales from $36.8

—Continued on page 63

Lauryl Bromide Available From Michigan Chemical

Michigan Chemical Corporation, Saint Louis, Mich., is marketing lauryl bromide in commercial quantities.

According to the firm, lauryl bromide may be used as an intermediate in the preparation of quaternary ammonium salts exhibiting germicidal and algicidal activity.

Association Meetings

Air Pollution Control Association, annual meeting, Statler-Hilton hotel, Los Angeles, June 22-26.

American Association of Textile Chemists & Colorists, annual meeting, Shoreham hotel, Washington, D. C., October 8-10.

American Chemical Society, national meeting, Atlantic City, N. J., September 13-18.

American Coke & Coal Chemicals Institute, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., October 19-20.

American Leather Chemists Association, annual meeting, Grand hotel, Mackinac Island, Mich., June 14-17.

American Pesticide Control Officials, annual meeting, Shoreham hotel, Washington, D. C., October 16-17.

American Pharmaceutical Association, annual meeting, Netherlands-Hilton hotel, Cincinnati, Ohio, August 16-23.

American Society for Testing Materials, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., June 21-26.

Association of American Feed Control Officials, annual meeting, Shoreham hotel, Washington, D. C., October 14-15.

Association of Official Agricultural Chemists, annual meeting, Shoreham hotel, Washington, D. C., October 12-14.

Chemical Buyers Group of the National Association of Purchasing Agents, annual meeting, Waldorf-Astoria hotel, New York, June 16.

Chemical Institute of Canada, annual conference, Nova Scotian hotel, Halifax, N. S., May 25-27.

Commercial Chemical Development Association, spring resort meeting, Pocono Manor, Mt. Pocono, Pa., May 25-26.

Drug, Chemical & Allied Trades section of the New York Board of Trade, spring luncheon meeting, Waldorf-Astoria hotel, New York, May 25.

Drug, Chemical & Allied Trades section of the New York Board of Trade, annual meeting, Sagamore hotel, Bolton Landing, Lake George, N. Y., September 17-20.

Electrochemical Society, Deshler-Hilton hotel, Columbus, Ohio, October 18-22.

Federation of Paint & Varnish Production Clubs, annual convention, Convention Hall, Atlantic City, N. J., October 22-24.

Kentucky Fertilizer Conference, annual meeting, Univ. of Kentucky, Lexington, July 29.

Manufacturing Chemists' Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 11-13.

National Agricultural Chemicals Association, annual meeting, Sheraton Lick hotel, French Lick, Ind., October 21-23.

National Paint, Varnish & Lacquer Association, annual convention, Chalfonte-Haddon Hall, Atlantic City, N. J., October 19-21.

National Plant Food Institute, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., June 14-17.

Paint Industries' Show, sponsored by Federation of Paint and Varnish Production Clubs, Convention Hall, Atlantic City, N. J., October 20-24.

Petroleum World Congress, Coliseum, New York, May 31-June 6.

Society of Chemical Industry, annual meeting, Glasgow, Scotland, July 6-11.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Roosevelt hotel, New York, June 9.

muriatic acid

DIXON
CHEMICALS

DIXON CHEMICAL AND RESEARCH, INC.
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New York Phone: WOrth 2-2125
Philadelphia Area Office:
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NOrmandy 5-0100 — Phila. MArket 7-0954
New England Office: 87 Weybosset St.,
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Current MARKET Quotations

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, May 22 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views. An index to the weekly market reports is to be found on page 4.

A

Abies siberica oil, cns ..... lb. 2.45 - 3.00
Acacia (see Arabic gum).
Acenaphthene, below 92.5 C. m.p., dms., works lb. .40 - —
Above 92.5 C. m.p., bbls., dms., lb. .41 - .50
Acetaldehyde, 99%, dms., c.l., works. lb. .12 - —
dms., l.c.l., works ..... lb. .13½- —
tanks, works ..... lb. .10 - —
Acetaldol (see Aldol).
Acetanilide, tech., flaked, bbls., bgs., c.l., frt. alld lb. .32½- —
bbls., bgs., ton lots, frt. alld. lb. .33½- —
bbls., bgs., smaller lots, frt. alld lb. .36½- —
USP, bbls., 225-lb. dms. any quantity lb. .79 - —
100-lb. dms., any quantity lb. .81 - —
Acetic acid, coml. or redist., 28%, bbls. 100 lbs. 4.80 - —
56%, bbls. ..... 100 lbs. 8.25 - —
70%, bbls. ..... 100 lbs. 9.95 - —
80%, bbls. ..... 100 lbs. 10.45 - —
Acetic acid, glacial, syn., CP, dms., dlvd. 100 lbs. 22.00 -23.00
tech., dms., c.l., dlvd. ... 100 lbs. 13.75 - —
dms., l.c.l., dlvd. ..... 100 lbs. 14.25 - —
tanks, dlvd. ..... 100 lbs. 10.00 - —
USP, cbys., dlvd ..... 100 lbs. 31.00 -32.00
Acetic anhydride, aluminum ret. dms., c.l., dlvd. E lb. .16½- —
aluminum ret. dms., l.c.l., dlvd. E. lb. .18 - —
tanks, dlvd. E. ..... lb. .14 - —
Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
fib. dms., l.c.l., dlvd. ..... lb. .81 - —
Acetoacet-o-chloroanilide, fib. dms., c.l., dlvd lb. 1.25 - —
fib. dms., l.c.l., dlvd. ..... lb. 1.36 - —
Acetoacet-o-toluidide fib. dms., c.l., dlvd lb. .82 - —
fib. dms., l.c.l., dlvd. ..... lb. .83 - —
Acetone, CP, dms., c.l., dlvd. .. lb. .11 - —
dms., l.c.l., dlvd ..... lb. .12½- —
tanks, dlvd. ..... lb. .08½- —
Acetonitrile, dms., c.l., works .... lb. .45 - —
dms., l.c.l., works ..... lb. .45¾- —
tanks, works ..... lb. .43 - —
Acetophenetidin, USP, 200-lb. dm., 1,000 lbs., frt. alld lb. 1.22 - —
100-lb. dm., 1,000 lbs., frt. alld. lb. 1.24 - —
Acetophenone, cns., dms. ..... lb. .42 - 1.30
Tech., dms., c.l., works ..... lb. .37 - —
dms., l.c.l., works ..... lb. .37¾- —
tanks, works ..... lb. .35 - —
N-Acetyl-p-aminophenol, 1,000-lb. lots, frt. adjusted lb. 1.45 - —
smaller lots, dms., same basis lb. 1.55 - 1.63
Acetylene black, imp., bgs., c.l., duty and freight extra lb. .19 - —
cs., l.c.l., ex whse. ..... lb. .24½- .30
Acetylsalicylic acid, USP, special, makers, primary distrib., bbls., 1,000-lb. lots, point of shipt lb. .63½- —
USP, standard, fine, cryst. gran., (20-40 mesh) powd., (80 mesh), 250-lb. bbls., c.l., t.l., same basis lb. .55¼- —
Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Acetyltributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .35½- —
non-ret. dms., l.c.l., frt alld. E. of Denver lb. .36½- —
tanks, frt. alld. E. of Denver. lb. .33 - —
Acetyltriethyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver lb. .39½- —
non-ret. dms., l.c.l., frt. alld. E. of Denver lb. .40½- —
tanks, frt. alld. E. of Denver lb. .37 - —

Acids

Acid quotations are listed individually. For example, prices on Acid, cresylic, may be found in the C's under Cresylic acid.

Aconite root, bls. ..... lb. .50 - .55
Acrolein, tech., dms., c.l., works lb. .51 - —
dms., l.c.l., works ..... lb. .51¾- —
tanks, works ..... lb. .46 - —
Acrylamide, dms., t.l., f.o.b. works. lb. .58 - —
dms., l.t.l., same basis ..... lb. .60 - —
Acrylic acid, glacial, dms., l.t.l., dlvd. lb. .65 - —

Abies Siberica Oil—Ammonium Bicarbonate

Acrylonitrile, dms., c.l., t.l., frt. equald lb. .30 - —
dms., l.c.l., l.t.l., frt. equald ... lb. .31 - —
tanks, frt. equald ..... lb. .27 - —
Adeps lanae (see lanolin).
Adipic acid, bgs., c.l., dlvd. ..... lb. .32¼- —
bgs., l.c.l., dlvd. ..... lb. .35 - —
Agar, USP, Kobe No. 1, strip, bls. lb. 2.10 - —
powd., 30 mesh., fib., dms. lb. 2.40 - —
dl-Alanine, dms. works ..... lb. 8.50 -11.00
Aldol, 95%, dms., l.c.l. ..... lb. .28 - —
Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .93 - —
fib. dms., l.c.l., dlvd ..... lb. .98 - —
Aletris root, bgs. ..... lb. 1.75 - 1.85

Alcohols

Alcohol quotations are listed individually. For example, prices on Alcohol, furfuryl; may be found in the F's under Furfuryl alcohol.

Algin (see Sodium alginate)
Alizarin (see 1,2-Dihydroxy anthraquinone).
Alkali blue dry, 250-lb. bbls., dlvd. E. of Rockies lb 2.38 - —
Alkali blue, toner, litho flushed, 125-lb. bbls. same basis. lb. 1.33 - —
Alkali blue prices 1c. higher W. of Rockies.
Allethrin, 90% dms., frt. alld lb 28.80 -28.90
Soln., 20% dms., 200-2,000 lb. lots, frt. alld lb 6.50 6.55
2½% dms. frt. alld. ..... lb. .95 - 1.10
Allspice oil (see Pimento oil).
Allyl alcohol, dms., c.l. dlvd. ... lb. .32½- —
dms., l.c.l., dlvd ..... lb. .34 - —
tanks, dlvd. ..... lb. .30 - —
Allyl bromide 53-lb. cbys. 5,005 lbs. or more, works lb. 1.47 - —
55-lb. cbys., 1,045 to 4,950 lbs., works lb. 1.52 - —
55-lb. cbys., 55 to 990 lbs. works. lb. 1.57 - —
Allyl chloride, dms., c.l. dlvd. lb. .17½- —
dms., l.c.l., dlvd ..... lb. .19 - —
tanks, dlvd ..... lb. .15 - —
Allyl isocyanate (see Mustard Oil, syn.).
Almond oil, artif., bitter (see Benzaldehyde).
Almond oil, nat., bitter f.p.s., bots. lb 2.75 - 3.45
NF, bots. ..... lb. 3.00 - 3.30
sweet, USP, cns., dms. ..... lb. .75 - 1.30
Aloe, Cape, cs. ..... lb. .33 - .40
powd., cs. ..... lb. .60 - .65
Curacao, kgs. ..... lb. .60 - .70
powd., kgs. ..... lb. .80 —
Aloin, USP, bbls., dms., kgs. ... lb 3.25 3.75
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene)
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works 100 lbs. 4.30 - —
lump, dms., works ..... 100 lbs. 5.05 - —
powd., dms., works ..... 100 lbs. 5.20 - —
USP, burnt, dms. ..... lb. .20 - .21
hydrous, dms. ..... lb. .07¾- .08
Alum, potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works ..... 100-lbs. 5.30 - —
powd., dms., works ..... 100 lbs. 5.45 - —
USP, burnt., dms. ..... lb. .20 - .21
hydrous, dms. ..... lb. .07¾- .08
Alum, potash-chrome, dms. ..... lb. .17 - —
Alumina, calcined, bgs., c.l., works. lb. .03 - —
bgs., l.c.l., works ..... lb. .03¼- .03
Aluminum acetate, basic soln., 24%, bbls., l.c.l., works lb. .14 - —
Aluminum chloride, coml., anhyd., dms., c.l., works, frt. equald lb. .16 - —
dms., l.c.l., works ..... lb. .16½- —
cryst., dms., c.l. works 100 lbs. 21.00 - —
dms., l.c.l., works ... 100 lbs. 21.50 - —
soln., 32° cybs., c.l., works . lb. .0493- —
cbys., l.c.l., works ..... lb. .0570- .1095
tanks, works ..... 100 lbs. 3.95 - —
NF, gran., dms., works ..... lb. .31 - .32
Aluminum fluoride, tech., anhyd., bgs., c.l., works lb. .17¼- —
bgs., l.c.l., works ..... lb. .18¼- .20¼
Aluminum fluoride in fib. dms. 0.35c. per lb. higher
Aluminum formate, basic soln., containers extra, c.l., works. 100 lbs. 11.00 - —
containers extra, l.c.l., works. 100 lbs. 11.50 - —
Aluminum hydrate, heavy, bgs., c.l., frt. equald lb. .03½- —
bgs., 20,000-40,000 lb. lots, same basis lb. .03¾- —
bgs., 2,000-20,000 lb. lots, same basis lb. .04¼- —
bulk, c.l., same basis lb. .03¼- —
Aluminum hydroxide, dried, USP XV, fib dms., works lb. .82½- —
fib. dms., contract, works lb. .79½- —
Aluminum hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works lb. .22 —
9-9½% Al_2O_3, fib dms., works lb. .19 —
fib dms., contract, works lb. .13 - —
Aluminum hydroxide, tech., powd. (See Aluminum hydrate).
Aluminum metal, 99%+, ingots, 10,-000-lb. lots, frt. alld lb. .2330 —
pigs, 10,000-lb lots, frt. alld lb. .2170 —
Aluminum oxide, amorphous (See Alumina, calcined).
Aluminum paste, lining, extra-fine, dms lb. .69½- —
Standard grade, dms. ..... lb. .47 —
Aluminum powder, lining, extra-fine, dms lb. 1.11 —
Standard grade, dms ..... lb. .81 —
Aluminum paste and powder prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10 lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Aluminum resinate, precip., 2.1% t.t.l., dms lb. .35¼- —
Aluminum stearate, dibasic, ctns., c.l lb. .39 —
ctns., l.c.l. ..... lb. .40 .44
Monobasic, ctns., c.l. ..... lb. .39 —
ctns., l.c.l. ..... lb. .40 .44
Tribasic, ctns., c.l. ..... lb. .39 —
ctns., l.c.l. ..... lb. .40 .44
Aluminum sulfate, coml., grd., bgs c.l., works, frt. equald ton 41.00 - —
grd., bulk, c.l., same basis ton 40.00 - —
lump, bgs., c.l., same basis ton 44.00 - —
Coml., iron-free, bgs., c.l., works, frt equald 100 lbs. 3.80 - —
bgs., l.c.l., works, frt. equald. 100 lbs. 4.20 8.30
USP, gran., dms., works ..... lb. .20 - —
powd., dms., works ..... lb. .27 - —
Aluminum sulfate prices $1 per ton higher in the South.
Aluminum trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots ..... oz. 6.50 -10.00
p-Aminoacetanilide, tech., paste, dms., frt. alld lb. 1.57 —
Aminoacetic acid, NF, bbls., frt. adjusted lb. 1.50 1.75
Aminoazotoluene base, bbls., 100% basis lb. 1.03 1.18
p-Aminobenzoic acid, tech., dry, dms., works lb. 1.72 - —
2-Amino-4-chlorophenol, tech., solid, dms., frt. alld lb. 8.10 - —
p-Aminodiphenylamine, tech., solid, dms. frt. alld lb. 3.00 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. .475 - —
dms., l.c.l., dlvd ..... lb. .49 - —
tanks, dlvd. ..... lb. .45 - —
2-Amino-2-methyl-1-propanol, dms., c.l., frt. alld lb. .44 - —
dms., l.c.l., frt. alld. ..... lb. .45 - —
tanks, frt. alld. ..... lb. .42 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
dms., smaller lots. ..... lb. 2.50 - —
p-Aminophenol, dms., frt. alld. lb. 1.15 - —
Aminophylline, USP, 100-lb. dm., frt. alld lb. 3.55 - —
p-Aminosalicylic acid, dms., 100 lbs. or more, frt. adjusted lb. 3.40 - —
Ammonia, anhyd., fertilizer, tank works, frt. equald. E. of Rockies ton 88.00 - —
refrigeration, tanks, works, frt. equald E. of Rockies ton 90.50 - —
Aqueous, 29.4%, tanks, works, anhyd. basis, E. of Rockies. ton 91.00 - —
Ammoniacal liquor (see Ammonia, aqueous).
Ammoniac, sal gray, bgs., cl., works, frt., equald 100 lbs. 8.25 - —
bgs., l.c.l., same basis 100 lbs. 8.65 -12.65
Ammoniac, sal., white (see Ammonium chloride, tech.).
Ammonium acetate, purif., dms lb. .40 - —
Ammonium benzoate, USP, fib. dms. ton lots, works lb. 1.00 - —
fib dms. 1,000-lb lots, works. lb. 1.05 - —
Ammonium biborate, gran., dms., c.l., works ton 325.00 - —
dms., ton lots, ex whse. 100 lbs. 20.40 - —
dms., smaller lots, ex whse. 100 lbs. 21.15 - —
Ammonium bicarbonate, dom., dms., c.l., works ..100 lbs. 7.00 - —
dms., l.c.l., works ..... 100 lbs. 9.00 - —

Abbreviations

Used in OPD Market Quotations

alld.	allowed
amorph.	amorphous
AMP	American melting point
anhyd.	anhydrous
AOAC	Association of Official Agricultural Chemists
a.p.a.	available phosphoric acid
approx.	approximately
artif.	artificial
ASTM	American Society for Testing Materials
Atl.	Atlantic
Be.	Baume
bbls.	barrels
bgs.	bags
bls.	bales
bots.	bottles
b.p.	boiling point
b.p.l.	bone phosphate of lime
b.r.	boiling range
bxs.	boxes
C.	centigrade
cbys.	carboys
CD	completely denatured
c.i.f.	cost, insurance, freight
cks.	casks
c.l.	carlots
cns.	cans
coml.	commercial
conc.	concentrated
CP	chemically pure
cps.	centipoises
cryst.	crystalline
cs.	cases
ctns.	cartons
cyls.	cylinders
d-	dextro
dbl.	double
denat.	denatured
dest-dist.	destructively—distilled
dl-	dextrolaevo
dist.	distilled
distr.	distributor
djns.	demijohns
dlvd.	delivered
dms.	drums
dom.	domestic
E	east
e.p.	end point
equald.	equalized
exp.	expressed
Ext.	external
F.	fahrenheit
ferment.	fermentation
f.f.a.	free fatty acid
f.f.c.	free from chlorine
fib.	fiber
f.o.b.	free on board
f.p.a.	free of prussic acid
frt.	freight
gal.	gallon
gran.	granular
grd.	ground
i&a.	iron and aluminum
i.b.p.	initial boiling point
imp.	imported
incl.	included
indust.	industrial
kgs.	kegs
l-	laevo
lacq.	lacquer
lb.	pound
l.c.l.	less than carlots
l.t.l.	less truckload
liq.	liquid
mfrs.	manufacturers
m-	meta
m.a.p.	mixed aniline point
min.	minimum
m.p.	melting point
N-	nitrogen
n-	normal
nat.	natural
neut.	neutral
NF	National Formulary
NNR	New and Nonofficial Remedies
No.	number
nom.	nominal
o-	ortho
ord.	ordinary
oz.	ounce
p-	para
Pac.	Pacific
pf.	proof
phos.	phosphate
photo.	photographic
pkgs.	packages
powd.	powdered
precip.	precipitated
prod.	producer
pt.	point
pulv.	pulverized
purif.	purified
redist.	redistilled
refd.	refined
refy.	refinery
reg.	regular
resub.	resublimed
ret.	returnable
SD	specially denatured
s.d.	single distilled
S.E.	southeast
sec.	secondary
secs.	seconds
s.g.	specific gravity
shipt.	shipment
soln.	solution
s.u.	standard unit
syn.	synthetic
tanks.	railroad tankcars
tech.	technical
tert-	tertiary
t.l.	truck loads
t.w.	tank wagons
USP	U. S. Pharmacopoeia
vis.	viscosity
VM&P	varnish makers & painters
W.	west
whse.	warehouse
w.w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Ammonium bichromate, dms., works, lb. .42 - .43
Ammonium bifluoride, dms., dlvd lb. .2145 - .2245
Ammonium bromide, NF, 450-lb. bbl., frt. equald lb. .45 - —
100 lb. dm., frt. equald lb. .46 - —
Ammonium carbonate USP lump, dms., c.l. lb. .15½ - —
Ammonium chloride, tech., fine gran., bgs., c.l., works 100 lbs. 5.75 - —
bgs. l.c.l., works 100 lbs 7.75 - 8.20
USP, gran., fib dms lb. .17¼ - —
Ammonium citrate dibasic, 250-lb. dm., f.o.b. works lb. .77 - —
Ammonium dichromate (see Ammonium bichromate).
Ammonium fluoride (see Ammonium bifluoride).
Ammonium gluconate, tech., 200-lb. dm., f.o.b. works E lb. .45 - —
Ammonium hydroxide (see Ammonia aqueous).
Ammonium iodide, NF, 25-lb. jar, f.o.b. works lb. 4.26 - —
Ammonium lauryl sulfate, dms., c.l., frt. alld lb. .20½ - —
dms., l.t.l., frt. alld lb. .21½ - —
tanks, frt. alld lb. .19½ - —
Ammonium linoleate, 80% dms., works lb. .50 - .55
Ammonium lignin sulfonate bgs., c.l., works 100 lbs. 3.25 - —
bgs., t.c.l., works 100 lbs 3.40 - 3.65
Ammonium molybdate, CP, cryst., fib dms., 15,000 lbs. works lb 1.22 - —
fib dms., 2,000-lb contracts, works lb 1.23 - —
single fib. dms. works lb 1.24 - —
Ammonium nitrate, dom. fertilizer grade, 33.5% N bags., f.o.b. works ton 68.00 - —
Imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equald to $3 ton base price. ton 68.00 - —
with dolomite, 20.5% N, bgs., c.l., Hopewell Va ton 45.50 - —
Ammonium oxalate, tech., fine gran., 250-lb. dm., f.o.b. works E lb. .28½ - —
powd., 200-lb. dm., same basis lb. .28 - —
Ammonium pentaborate, gran., bgs., c.l., works ton. 193.00 - —
bgs., ton lots, ex whse. 100 lbs. 14.23 - —
bgs., smaller lots, ex whse. 100 lbs. 15.48 - 17.48
Ammonium pentaborate powder $10 per ton higher in bags.
Ammonium persulfate, tech., dms., 10-ton lots or more, works. lb. .15 —
dms., smaller lots, works lb. .20 - .23
Ammonium phosphate, comi., bgs., c.l., works, frt. equald lb. .09¼ - —
bgs., l.c.l., same basis lb. .10 - —
Ammonium phosphate, dibasic, NF V bbls. dms lb. .46 - —
Ammonium phosphate tech., bgs., c.l., works, frt. equald, lb. .09¼ - —
bgs., l.c.l. same basis lb. .10 - —
Ammonium silicofluoride, dms., works lb. .11¾ - .13¼
Ammonium sulfamate bgs., c.l., t.l., works lb. .19 —
bgs., t.c.l. works lb. .20½ - .27
Ammonium sulfate, standard granular, bulk, f.o.b. works, base price ton 32.00 - —
purif., bgs., f.o.b. works lb .03½ - .15
large granular, bulk c.l., works ton 35.00 - —
bgs. c.l., works ton 40.00 - —
Tech., bulk c.l., t.l., works ton 52.00 - —
bgs., c.l., t.l., works ton 55.00 - —
bgs., l.c.l. l.t.l., works -100 lbs 3.20 7.20
Ammonium sulfide, liq., 40-44%, tanks, frt., equald .100% basis ton 160.00 —
Ammonium sulfocyanide, tech. (see Ammonium thiocyanate).
Ammonium thiocyanate, tech., cryst., dms c.l works lb .20 - —
dms. l.c.l., works lb. .22 - .26
tech., soln, 50%, tanks, frt. equald., basis ammonium thiocyanate content lb. .17¼ - —
Ammonium thioglycollate, comi., chys., 100% basis lb. 1.35 1.65
Highly purif., chys 100% basis. lb 1.70 1.96
d-Amphetamine hydrochloride, dibasic, bots lb. 17.50 - 23.00
dl-Amphetamine hydrochloride, dibasic, bots lb. 4.50 6.00
d-Amphetamine hydrochloride, monobasic, dms lb. 17.50 - 21.00
d-Amphetamine phosphate, fib. dms., 100-lb lots lb. 15.00 —
dl-Amphetamine phosphate, dms lb 4.20 5.00
d-Amphetamine sulfate, fib dms., lb. 15.00 - 17.00
dl-Amphetamine sulfate, fib dms., lb. 4.20 5.00
Amyl acetate, ex fusel oil, tech., dist., from 125° to 150°C., dms., c.l., frt alld E of Rockies lb. .18½ - .19
dms., l.c.l., same basis lb. .20 - .20½
tanks, same basis lb. .16 - .16½
Amyl acetate, ex pentane, reg dms., c.l., dlvd lb. .19 - —
dms., l.c.l., dlvd lb. .21½ - —
tanks, dlvd lb. .16½ - —
Tech., dms., c.l., dlvd. lb. .17 - —
dms., l.c.l., dlvd lb. .18½ - —
tanks, dlvd lb. .14½ - —
Syn., oxo process, dms., c.l., dlvd. lb. .19 - —
dms., l.c.l., dlvd lb. .20½ - —
tanks, dlvd lb. .16½ - —
Amyl alcohol, ex fusel oil (see Fusel oil refd.).
Amyl alcohol, ferment, refd., 128°-132°C., dms., l.c.l., dlvd lb. .43½ - —
refd., ACS grade, dms., l.c.l., dlvd lb. .45½ - —
Amyl alcohol, ex pentane, mixed, amyls dms., c.l., frt. alld. lb. .19 - —
dms., l.c.l., frt. alld lb. .20½ - —
tanks, frt. alld lb. .16½ - —
primary, dms., c.l., frt. alld. lb. .19¾ - .20½
dms., l.c.l., frt. alld lb. .21¼ - .21¾
tanks, frt. alld lb. .17¼ - .17¾
sec-synthetic, dms., c.l., works, frt. alld lb. .19 - —
dms., l.c.l., works lb. .20½ - —
tanks, works lb. .17 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
dms., l.c.l., frt. alld. E lb. .18½ - —
tanks, frt. alld. E lb. .14½ - —

Amyl alcohol, 1-pentanol (syn. normal), dms., c.l., works lb. .41½ - —
dms., l.c.l., works lb. .43 - —
tanks, works lb. .39½ - —
Amyl alcohol, 2-pentanol, dms., c.l., works lb. .65 - —
dms., l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
Amyl n-butyrate, dms. lb. 1.00 - 1.25
Amyl cinnamic aldehyde, dms lb. 1.75 - 2.20
p-tert Amyl phenol, dms., c.l., works. lb. .26¾ - —
dms., l.c.l., works lb. .27¾ - —
Amyl salicylate, cns., dms. lb. .80 - 1.10
Amyris oil, dms lb. 1.50 - 1.90
Anethole, USP, cns., dms lb. 1.15 - 1.50
Tech., dms. lb. .85 - .90
Angelica root, bls. lb. .90 - 1.00
Angelica root oil, bots lb. 120.00 - 140.00
Angelica seed oil, bots. lb. 120.00 - 130.00
Aniline, dms., c.l., frt. alld lb. .20 - —
dms., l.c.l., frt. alld. lb. .21 - —
tanks, frt. alld. lb. .18 - —
Aniline oil (see Aniline).
Aniline salt, dms., c.l., truckloads, 20,000 lbs. min., frt. alld. lb. .33 - —
dms., l.c.l., same basis lb. .35 - —
Anise oil, USP, dms. lb. 1.75 - 3.00
Anise seed, Mexican, bgs lb. .22 - —
Spanish, bgs. lb. .20 - —
Anisic aldehyde, dms. lb. 1.85 - 2.20
o-Anisidine, dms., c.l., frt. alld lb. .80 - —
dms., l.c.l., same basis lb. .82 - —
tanks, same basis lb. .78 - —
p-Anisidine, dms., works lb. .97 - —
Anthracene, 90-95%, dms., c.l., t.l., f.o.b., works lb. .42½ - —
dms., l.c.l., minimum shipment 1,000 lbs., same basis lb. .45 - —
Anthranilic acid, 99%, 150-lb. dms., dlvd lb. 1.13 - —
Anthraquinone, 99.5%, bbls., c.l., frt. alld lb. .83 - —
bbls., l.c.l., same basis lb. .86 - —
Electrical grade, bbls., l.c.l., same basis lb. 1.10 - —
Antimony butter (see Antimony trichloride).
Antimony metal, bulk, c.l., mines. lb. .29 - —
cs., c.l., mines lb. .29½ - —
Antimony oxide, bgs., c.l., frt. alld. lb. .24½ - —
bgs., l.c.l., frt. alld. lb. .26 - —
Antimony sulfide, approx. 65%, bgs., 10,000-lb. lots, dlvd lb. .23 - —
bgs., smaller lots, dlvd lb. .24 - .26
Antimony trichloride, anhyd., solid, pails, c.l., works lb. .41 - —
pails, l.c.l., works lb. .43 - —
Antimony-potassium tartrate, tech., powd., 250-lb. dms lb. .69½ - —
USP, powd., 250-lb. dms. lb. .74½ - —
Antipyrine, NF, 200-lb bbls lb. 3.50 - —
Apomorphine hydrochloride, USP, 25-oz. lots oz. 35.60 - —
Apricot kernel oil, USP, dms lb. .75 - 1.00
Arabic gum, amber sorts, bgs lb. .25 - .26
USP, powd., bbls. lb. .28 - .30
Areca nuts, powd., bbls. lb. .13 - —
Arecoline hydrobromide, NF, bots., tin oz. 4.00 - 4.50
1-Arginine, free base, dms., 10-kilo lots or more kilo. 90.00 - —
1-Arginine glutamate, dms., 10-kilo lots or more kilo. 60.00 - —
1-Arginine hydrochloride, dms., 10-kilo lots or more kilo. 60.00 - —
Arnica flowers (true Montana), bls. lb. .95 - —
Arsenic, crude (95%), bulk, c.l., works lb. .016 - —
bbls., c.l., works lb. .031 - —
Arsenic trioxide, USP, dms lb. .48 - —
Arsenic white, powd., bbls., c.l., works lb. .04½ - —
bbls., l.c.l., works lb. .06½ - .07½
Arsenous acid, tech (see Arsenic, white).
Arsenous acid, USP (see Arsenic trioxide).
Arylid maroons, deep shades, bbls. lb. 3.70 - —
Light shades, bbls. lb 2.85 - —
Asafetida gum, cns lb. .36 - .40
Powd., bbls., dms lb. .75 - .80
Asbestine (see Talc fibrous, New York).
Asbestos, Canadian crude
6D, c.l. (30 tons) mines ton. 86.00 - —
7D, c.l. (30 tons) mines ton. 75.00 - —
7F, c.l. (30 tons) mines ton. 71.00 - —
7H, c.l. (30 tons) mines ton. 61.00 - —
7K, c.l. (30 tons) mines ton. 50.00 - —
7M, c.l. (30 tons) mines ton. 44.00 - —
7R, c.l. (30 tons) mines ton. 43.00 - —
7RF, c.l. (30 tons) mines ton. 44.00 - —
7T, c.l. (30 tons) mines ton. 41.00 - —
7TF c.l. (30 tons) mines ton. 44.00 - —
Asbestos prices are in Canadian funds; l.c.l. lots $4 per ton higher.
Ascorbic acid, USP, 25, 50-kilo dms., kilo. 10.00 - —
10 kilo dms. kilo. 10.35 - —
5-kilo dm kilo. 10.75 - —
1-kilo bottle kilo. 11.00 - —
500-gram bottle kilo. 11.50 - —
Ash black (see Barium sulfide).
Asphalt, gilsonite, black jet, bgs., c.l., mines ton. 40.00 - —
ex-whse, N. Y., N. J ton. 86.50 - —
seconds, 300°-390°F. fusing pt., bgs., c.l., mines ton. 35.00 - —
select, 350°F. fusing pt., bgs., c.l., mines ton. 41.00 - —
270°-295°F. fusing pt., bgs., c.l., mines ton. 40.00 - —
Manjak No. 10 crude, dms., works. lb. .07 - —
Asphalt, petroleum, cut-back, tanks, tankwagon, refy gal. .09 - —
emulsion tanks tankwagon, refy, gal. .09½ - —
Asphalt, petroleum, steam-refd., 50-80 penetration, tanks, tankwagon, refy ton. 21.00 - —
85-300 penetration tanks, tankwagon, refy ton. 20.00 - —
Aspirin (see Acetylsalicylic Acid).
Atropine, NF, tins oz. 5.75 - 6.50
Atropine sulfate, USP, bots oz. 6.25 - 6.75
Avocado oil, f.o.b. Calif., cns. lb. 2.25 - 3.00

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .65 - —
less than 1,000,000,000 units. 50,000 units. .70 - —
Balm of Gilead buds, dried, bgs lb. 1.25 - 1.35
Barberry root bark, bgs. lb. .50 - —
Barbital, NF, 100-lb. dms. lb 4.50 - —
Barbital sodium, NF, dms. lb 4.75 - —
Barium carbonate precip. bgs., c.l., works ton. 111.50 - —
bgs., smaller lots, works ton. 126.50 - —
Barium chlorate, dms., works lb. .32 - .41
Barium chloride, anhyd bgs., c.l., works ton. 176.00 - —
bgs., t.c.l., works ton. 196.00 - —

Barium chloride, NF, cryst., 100 lb. dms lb. .22 - —
Tech., cryst., bgs., c.l., works. 100 lbs. 7.00 - —
bgs., l.c.l., works 100 lbs. 8.00 - —
Barium chromate, bgs. frt. equald. lb. .38 - —
Barium dioxide (see Barium peroxide).
Barium hydrate, cryst., ogs., c.l., t.l., frt. equald ton. 208.00 - —
bgs., l.c.l., l.t.l., frt. equald ton. 218.00 - —
Barium monohydrate, 99%, bgs., c.l., frt. equald. 100 lbs. 11.25 - —
bgs., l.c.l., frt. equald. 100 lbs. 11.75 - —
Barium monoxide (see Barium oxide).
Barium nitrate, bbls., c.l., t.l., dlvd. lb. .16 - —
bbls., l.c.l., l.t.l., dlvd. lb. .17 - —
Barium oxide, grd., dms. c.l., t.l., frt. equald ton. 275.00 - —
dms. l.c.l., l.t.l., frt. equald. ton. 285.00 - —
Barium peroxide, dms., frt. equald. lb. .20 - —
Barium stearate, ctns. c.l. frt alld. lb. .41 - —
ctns., l.c.l., same basis lb. .42 - .46
Barium sulfate, tech. (see Barytes and blanc fixe).
Barium sulfate, X-ray, dms. lb. .15 - .15½
Barium sulfide, dms., c.l., works. ton. 100.00 - —
dms., l.c.l., works ton. 110.00 - —
Barytes, southern, off-color, bgs., mines ton. 25.00 - —
95-75%, bgs., mines ton. 25.00 - —
white water-grd., paper bgs., c.l., St. Louis ton. 55.00 - 55.25
paper bgs., ex whse., New York ton 79.85 - —
Battery acid, cbys. c.l. works, E. 100 lbs. 2.35 - —
cbys., l.c.l., works, E 100 lbs. 2.65 - 10.95
Bauxite, bulk, mines ton. 7.00 - 10.00
Bay oil, NF, Puerto Rican, 50-55% cns lb. 2.25 - 2.75
55-60%, cns. lb. 2.50 - 3.05
West Indian, 50-55% cns. dms., lb. 2.30 - 3.00
Bayberry wax, bgs. lb. .45 - .47
Beeswax, crude, African, bgs lb. .55 - .56
Brazilian, bgs. lb. .56 - .57
Central American, bgs. lb. .53 - .54
Chilean, bgs. lb. .56 Nom.
Refd., USP bleached white, bricks, 100-lb. ctns lb. .69 - .71
white, slabs, 100-lb. ctns. lb. .68 - .70
yellow, bricks, 100-lb. ctns lb. .59 - .61
yellow, slabs, 100-lb. ctns. lb. .58 - .60
Belladonna leaf, bls. lb. .26 - —
Belladonna root, bls. lb. .28 - —
Bentonite, dom. 200 mesh, bgs., c.l., mines ton. 14.00 - —
Imp. Italian, white, high gel., bgs., 5-ton lots, ex whse ton. 91.00 - —
bgs., 1-ton lots, ex whse ton. 94.00 - —
low gel., bgs., 5-ton lots ex whse ton. 89.35 - —
bgs., 1-ton lots, ex whse ton. 92.35 - —
Benzal chloride, cbys., works lb. .44 - —
Benzaldehyde, NF, dms. lb. .80 - .86
Tech., dms., c.l., t.l. lb. .47 - —
dms., l.c.l. lb. .48 - —
Benzene, coaltar, pure or nitration, tanks, works:
Bethlehem, Pa. gal. .31 - —
Birmingham district gal. .31 - —
Chicago district gal. .31 - —
Cleveland district gal. .31 - —
Geneva, Utah gal. .31 - —
Johnstown, Pa. gal. .31 - —
Lackawanna, N. Y. gal. .31 - —
Lone Star, Tex. gal. .31 - —
Lorain, Ohio gal. .31 - —
Middletown, Ohio gal. .31 - —
Minnequa, Colo. gal. .31 - —
Philadelphia district gal. .31 - —
Pittsburgh district gal. .31 - —
Sparrows Point, Md. gal. .31 - —
Syracuse, N. Y. gal. .31 - —
Terre Haute, Ind. gal. .31 - —
Youngstown, Ohio gal. .31 - —
Benzene, petroleum, nitration or industrial, Houston, Tex., tanks, gal. .31 - —
Benzene hexachloride, 25% and 99% gamma isomer (see Lindane).
Benzene hexachloride, tech., high gamma, dms., c.l., dlvd., gamma unit-lb. .00825 - —
dms., l.c.l., works gamma unit-lb. .009 - .0095
low gamma, dms., c.l. dlvd. gamma unit-lb. .00825 - —
dms., l.c.l., works gamma unit-lb. .009 - —
Benzidine hydrochloride, bbls., c.l., frt. alld., 100% basis lb. 1.19 - —
bbls., l.c.l., same basis lb. 1.21 - —
Benzidine sulfate, tech., bbls., frt. alld., 100% basis lb. 1.21 - —
Benzidine yellow, AAA, bbls. dlvd. lb. 2.30 - —
AAOT, bbls., dlvd. lb. 2.55 - —
Lightfast, bbls., dlvd. lb. 3.40 - —
Benzocaine, dms. lb. 3.48 - 3.50
Benzoic acid, tech., bbls., dms., c.l., t.l., frt., alld lb. .37 - —
bbls., dms., ton lots, same basis lb. .41 - —
bbls., dms., 1,000-lb. lots, same basis lb. .43 - —
USP, bbls., dms., ton lots lb. .48 - —
bbls., dms., 1,000-lb. lots lb. .50 - —
Benzoin gum, Sumatra, cs. lb. .33 - —

Benzol

Benzol quotations, both coaltar and petroleum, may be found under Benzene.

Benzophenone, dms. lb. 1.40 - 1.70
Benzotriazole, tech., dms., 1,000-lb. lots, works lb. 2.25 - —
Benzotrichloride, cbys., 1,000-lb. lots or more, frt., equald lb. .21 - —
cbys, smaller lots, frt., equald lb. .23 - —
Benzoyl chloride, cbys., dms., c.l., works, frt., equald lb. .22 - —
cbys., l.c.l., same basis lb. .23 - —
tanktrucks, dlvd. Metropolitan area lb. .21 - —
Benzoyl peroxide, purif., fib. dms., 50 to 1,000-lb. lots, works lb. .98 - 1.08
Benzyl acetate, f.f.c., cns., dms lb. .68 - .79
Benzyl alcohol, NF, dms. lb. .53 - .80
Tech., dms., dlvd. lb. 47½ - .65
Benzyl benzoate, USP, NF, 40-lb. dms lb. .68 - —
Benzyl chloride, tech., cbys., dms., c.l., works, frt., equald lb. .22½ - .25½
cbys., dms., l.c.l., same basis lb. 23½ - 25½
tanktrucks, dlvd., Metropolitan area lb. .21 —
A 2½c. differential is quoted on benzyl chloride in 5-gal cbys. In steel dms. prices are ½c. lower.
Benzyl cinnamate, cns. lb. 3.30 - 3.60

Benzyl dimethylamine, dms., works, lb. 2.25 - —
Benzyl formate, cns. lb. 1.65 - 2.10
Benzyl isoeugenol, cns. lb. 9.50 - —
Benzyl propionate, bots. lb. 1.35 - 1.65
Benzyl salicylate, bots. lb. 1.60 - 1.85
Benzylidine acetone, bots. lb. 1.75 - 1.80
Benzylidine chloride, (see Benzal chloride).
Berberine bisulfate, cns. lb. 48.50 - —
Berberine hydrochloride, bots. lb. 48.50 - —
Bergamot oil, nat., NF, Italian, cns. lb. 13.00 - 14.00
Betagammapicoline (see b,g-Picoline).
Betahydroxynaphthoic acid (see b-Oxynaphthoic acid).
Betaoxynaphthoic acid (see b-Oxynaphthoic acid)
Betamethylnaphthalene (see b-Methylnaphthalene).
Betanaphthol (see b-Naphthol)
Betanaphthylamine (see b-Naphtholamine)
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, tech.).
Biotin, cryst., bots. gram. 10.00 - —
Biphenyl (see Diphenyl).
Birchtar oil, crude, cns. lb. 1.50 - 1.90
Rectified, cns. lb. 1.75 - 2.00
Bismuth chloride, jars lb. 5.11 - —
Bismuth hydroxide, dms. lb. 4.60 - 4.65
Bismuth metal, bxs., ton lots lb. 2.25 - —
Bismuth nitrate, cryst. dms. lb. 2.08 - 2.17
Bismuth oxide, anhyd., 100-lb. dm., f.o.b. works lb. 4.42 - —
Bismuth oxychloride, 25-lb. dm., f.o.b. works lb. 4.42 - —
Bismuth subcarbonate, USP, dms lb. 3.20 - —
Bismuth subgallate, NF, 200-lb. dm., f.o.b. works lb. 3.15 - —
Bismuth subiodide, NF, fib dms lb. 5.37 - —
Bismuth subnitrate, NF, 200-lb. dm., f.o.b. works lb. 2.65 - —
Bismuth subsalicylate, USP, 100-lb. dm., f.o.b. works lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Bisphenol-A, bgs., c.l., t.l., single shipt., 70,000-lbs. or more, frt. alld lb. .29½ - —
bgs., c.l., t.l., less than 70,000 lbs., same basis lb. .30 - —
bgs., l.c.l., same basis lb. .31 - —
Blackberry root bark, bls. lb. .50 - .55
Black haw root bark, bls. lb. .63 - .65
Black haw tree bark, bls. lb. .45 - .50

Black Pigments

Black pigment quotations are listed individually. For example, prices on Black, acetylene, may be found in the A's under Acetylene black.

Blanc fixe, direct process, bgs., c.l., works ton. 145.00 - —
bgs., l.c.l., works ton. 155.00 - —
bgs., l.c.l., New York whse ton. 195.00 - —
Blood, dried, 16-16½% ammonia, unit-ton. 6.25 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago, unit-ton. 6.75 - —
Blood, dried, soluble, bgs., c.l. lb. .12 - .13
bgs., t.l. lb. .14 - .17
bgs., l.t.l. lb. .15 - .30
Bloodroot, bls lb. .48 - .50

Blue Pigments

Blue pigment quotations are listed individually. For example, prices on Blue, ultramarine, may be found in the U's under Ultramarine blue.

Blue dyes (see Dyes)
Blue vitriol (see Copper sulfate)
Bois de rose oil, Brazilian, dms lb. 1.90 - 2.55
Peruvian, dms. lb. 1.80 - 2.25
BON acid maroons, pure, bbls lb. 1.75 - —
Resinated, bbls. lb. 1.50 - —
Bone black, dms., l.c.l. frt. alld lb. .18 - .22¾
Pacific coast bone black prices 2c. per lb. higher.
Bonemeal, steamed, works, E ton. 75.00 - —
Bone phosphate, defluorinated of lime (see Defluorinated phosphate).
Bone phosphate, precip. (see Calcium phosphate, tribasic)
Borax, tech., anhyd., 99½%, bgs., c.l., works ton. 87.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 7.19 - —
bgs., smaller lots, same basis 100 lbs. 8.44 - 10.44
bulk, c.l., works ton. 78.50 - —
gran., decahydrate 99½%, bgs., c.l., works ton. 47.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 5.19 - —
bgs., smaller lots, same basis, 100 lbs. 6.44 - 8.44
bulk, c.l., works ton. 41.00 - —
gran., pentahydrate, 99½%, bgs., c.l., works ton. 63.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 5.97 - —
gran., pentahydrate, 99½%, bgs., smaller lots, same basis, 100 lbs. 7.22 - 9.22
bulk, c.l., works ton. 56.50 - —
powd., 99½%, bgs., c.l., works, ton. 52.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 6.34 - —
bgs., smaller lots, same basis, 100 lbs. 7.59 - 9.59
USP borax $15 per ton higher in bags.
Bordeaux powder, tribasic, bgs., c.l., dlvd lb. .24 - —
bgs., l.c.l., same basis lb. .26 - —
Boric acid, tech., anhyd., 99.9%, bgs., c.l., works ton. 335.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 19.50 - —

100% INCREASE IN B_{12} ABSORPTION WITH PFIZER STABLETS*

(The most stable, economical B_{12} ever produced)

Important new research (see footnote) now indicates that Pfizer STABLETS are the most available form of vitamin B_{12} that can be supplied to the human body.

The actual mechanism for the dramatic rate of absorption achieved with STABLETS is not fully understood. It may, however, be related to the fact that the B_{12} in Stablets is adsorbed on a resin and is not released by the resin until it reaches the primary site of B_{12} absorption in the upper intestine.

adsorption → absorption

In addition to offering increased availability, Pfizer STABLETS can cut your potency losses by more than 50%. Extensive tests have proved this outstanding stability. By using STABLETS in your formulations you can markedly reduce overages necessary to meet label claims.

Footnote: Johns Hopkins University studies conducted by Dr. Bacon Chow (soon to be published) measured urinary excretion of radioactive vitamin B_{12}. When equal amounts of radioactive B_{12} adsorbed on resin and radioactive B_{12} in aqueous solution were administered to two groups of adult humans, radioactivity in the urine was twice as high for those who received the resin adsorbed material. Only when 5 times as much aqueous B_{12} was administered did absorption approach the level for the resin adsorbed material. If you would like a complete report on this research, write Pfizer at the address below

You can order 2 types of Stablets

STABLETS Type I is a 1% vitamin B_{12} U.S.P. adsorbed on resin. In addition to this crystalline form, Pfizer offers STABLETS Type II, which is a 1% cobalamin concentrate N.F. adsorbed on resin.

Whether your product calls for the crystalline form or the concentrate, you will realize savings through B_{12} stability with Pfizer STABLETS...and your customers will receive a product with increased availability.

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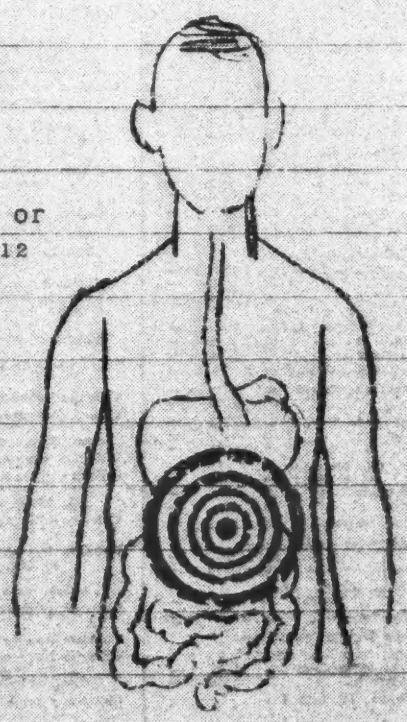

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Pioneer in the Manufacture of Vitamins. Pfizer Science for the World's Well-Being.

Boric acid, tech., anhyd., 99.99% bgs., smaller lots, same basis, 100 lbs. 21.75 -23.75
cryst., 99.9%, bgs., c.l., works, ton. 160.00 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 10.87 - —
bgs., smaller lots, same basis, 100 lbs. 12.12 -14.12
dms., c.l., works ton. 185.00 - —
dms., ton lots, ex whse, New York or Chicago, 100 lbs. 12.12 - —
dms., smaller lots, same basis 100 lbs. 12.87 - —
gran., 99.9%, bgs., c.l., works, ton. 103.50 - —
bgs., ton lots, ex whse, New York or Chicago 100 lbs. 8.29 - —
bgs., smaller lots, same basis ton. 170.75 - —
dms., c.l., works ton. 133.50 - —
dms., ton lots, ex whse, New York or Chicago 100 lbs. 9.54 - —
dms., smaller lots, same basis 100 lbs. 10.29 - —
bulk, c.l., works ton. 102.50 - —
powd., bgs., c.l., works, ton lots, ex whse, New York or Chicago 100 lbs. 8.07 - —
bgs., smaller lots, same basis, 100 lbs. 9.92 -11.92
dms., c.l., works ton. 141.00 - —
dms., ton lots, ex whse, New York or Chicago 100 lbs 9.92 - —
dms., smaller lots, same basis 100 lbs. 10.67 - —
USP boric acid $25 per ton higher in bags.
Borneol, cns lb 2.75 - —
Boron trichloride, CP, 1,300-lb. cyls., works lb 1.25 - —
100-lb. cyls. works lb 1.70 - —
Boron trifluoride gas, cyls. truckload, works lb .62 - —
cyls., l.t.l., works lb .70 - —
Brimstone (see Sulfur).
Broenner's acid, bbls lb 1.76 - —
Bromine purif., cs., c.l., t.l., dlvd. E of Rockies lb .32 - —
c.s., l.c.l., same basis lb .34 - .39
ret. dms., c.l., t.l. dlvd E of Rockies lb .31 - —
ret. dms., l.c.l., same basis lb .31 - .34
tanks, same basis lb .21½ - —
Bromochloromethane, dms., c.l., frt. equald lb .48 - —
dms., l.c.l., same basis lb .50 - —
tanks, same basis lb .47 - —
Bromoform, pharmaceutical grade, 100-lb cbys lb 1.80 1.90
Bromstyrol, bots. lb 5.45 5.70
Brucine, cns. oz. 1.50 - 1.75
Brucine sulfate, NF, cns oz. 1.50 - 1.75
Buchu leaves, bls. lb. .95 - 1.05

Brown Pigments

Brown pigment quotations are listed individually. For example, prices on Brown, Iron oxide, may be found in the I's under Iron oxide brown.

Butadiene, refd cyls., c.l., refy lb 21 —
cyls., l.c.l. refy lb .22 —
tanks, dlvd. lb. .14½ - —
n-Butyl acetate, ferment, cms., c.l., frt alld lb. .17 - —
dms., l.c.l., same basis lb. .18½ - —
tanks, same basis lb. .14½ - —
Syn., dms., c.l., dlvd. E lb. .17 - —
dms., l.c.l., same basis lb. .18½ - —
tanks, same basis lb .14½ - —
sec-Butyl acetate, syn., dms., c.l., dlvd E lb. .14¾ - —
dms., l.c.l., same basis lb. .16¼ - —
tanks, same basis lb. .12¼ - —
n-Butyl acrylate, dms., c.l. or t.l., straight or mixed frt alld E. lb. .42½ - —
dms., l.t.l., same basis lb. .43½ - —
tanks, same basis lb. .40 - —
Prices of n-butyl acrylate are 1c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
n-Butyl alcohol, ferment, dms., c.l., frt alld lb. .17 - —
dms., l.c.l. frt alld lb. .18½ - —
tanks, frt alld lb. .14½ - —
Syn., dms., c.l., dlvd lb. .17 - —
dms., l.c.l., frt alld lb. .18½ - —
tanks, dlvd lb .14½ - —
Butyl alcohol, sec-synthetic, dms., c.l. dlvd lb. .15 - —
dms., l.c.l., dlvd lb. .16½ - —
tanks, dlvd lb. .12½ - —
Butyl alcohol, tert-synthetic dms., c.l., frt. alld dlvd. E lb. .15 - —
dms, l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .12½ - —
Butyl aldehyde (see Butyraldehyde).
Butyl chloride, dms., c.l., works lb .37½ —
dms., l.c.l., works lb .38¼ —
n-Butyl ether dms., c.l., works lb .35¼ - —
dms., l.c.l., works lb .36 - —
tanks, works lb .35¼ - —
Butyl lactate, dms., c.l., frt alld E. of Rockies lb .42½ - —
dms., l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .40 - —
Butyl laurate, dms., works lb. .37½ - —
Butyl methacrylate, dms., c.l., t.l., works lb .55 —
dms., l.c.l., works lb .55½ - —
Butyl oleate, refd., dms., l.c.l., works lb .32 - —
Butyl phenylacetate dms., lb 4.50 4.60
Butyl phthalate (see Dibutyl phthalate).
Butyl stearate dms. c.l., frt alld. E of Mississippi lb .27¼ —
dms., l.c.l. same basis lb .28¼ - —
Butylamine (see Mono-, Di and Tributylamine)
6-tert-Butyl-m-cresol (see mono-tert-m cresol).
Butylated hydroxytoluene (see 2,6-Di-tert-butyl-p cresol)
p-tert-Butylphenol, bgs., c.l., dlvd, lb .27½ —
bgs., l.c.l., works lb .28½ —
Butyraldehyde, dms., c.l., dlvd lb .22 —
dms., l.c.l., dlvd. lb. .23½ —
tanks, dlvd. lb. 19¼ —

Butyric acid, 99%, dms., c.l., frt. equald lb. .34 - —
dms., l.c.l., same basis lb. .34½ - —
tanks, same basis lb. .32½ - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium CP red, dark shade, bbls., frt. alld. E. of Rockies lb. 5.35 - —
Light shade, bbls., same basis lb. 4.45 - —
Medium shade, bbls., same basis, lb. 5.10 - —
Medium light shade, bbls., same basis lb. 4.70 - —
Orange-red shade, bbls., same basis lb. 4.10 - —
Yellow, all shades, bbls., frt. alld. E. of Rockies lb. 3.65 - —
Cadmium iodide, 25-lb fib. dms. lb 6.75 - 7.00
Cadmium metal, ingots or sticks, cs., dlvd lb. 1.30 - —
Cadmium-mercury lithopone orange, deep shade, bbls., frt. alld. E. of Rockies lb. 1.58 - —
Cadmium-mercury lithopone red, dark shade, bbls., same basis lb. 1.38 - —
Red, light shade, bbls., same basis, lb. 1.65 - —
Red, medium shade, bbls., same basis lb. 1.80 - —
Red, medium light shade, bbls., same basis lb. 1.73 - —
Red, maroon shade, bbls., same basis lb. 1.96 - —
Cadmium-selenide lithopone maroon, bbls., frt. alld. E. of Rockies, lb. 2.69 - —
Maroon, dark shade, bbls., same basis lb. 2.74 - —
Orange, bbls., same basis lb. 1.51 - —
Cadmium-selenide lithopone red, orange-red shade, bbls., same basis lb. 1.59 - —
Red, light shade, bbls., same basis, lb. 1.81 - —
Red, medium-light shade, bbls., same basis lb. 1.93 - —
Red, medium shade, bbls., same basis lb. 2.16 - —
Red, dark shade, bbls., same basis, lb. 2.49 - —
Cadmium-selenide, lithopone yellow, all shades, bbls., frt. alld. E. of Rockies lb. 1.12 - —
Caffeine, NF, citrated, ums., 100-lb. lots or more lb 2.70 - —
USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 2.10 - —
cryst., hydrous, dms., 100-lb. lots or more lb. 1.96 - —
Syn., cryst., anhyd., dms., 100-lb. lots or more lb. 2.10 - —
cryst., hydrous, dms., 100-lb. lots or more lb. 1.96 - —
Cajuput oil, native cns lb. 1.75 - 2.35
Redist., USP, cns lb. 1.90 - 2.10
Calamine, USP, dms. lb .34 - —
Calamus oil, bots lb. 12.00 -20.00
Calciferol, cryst., 10-kilo or more lots, works gram .54 - —
1-10 kilo lots gram. .55 - —
Calciferol, in edible oil (see Viosterol).
Calcium p-aminosalicylate, trihydrate tlb dms., 100 lbs. or more, frt. adjusted lb. 3.10 - —
Calcium arsenate, dealers, bgs., c.l., frt. alld lb. .09 - .09¼
bgs., l.c.l., same basis lb. .10 - .10½
Calcium bromide, NF, 100 lbs or more lb. .97 - —
Calcium carbide, standard generator size, 600-lb dms., c.l., dlvd ton. 149.00 - —
Calcium carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton. 10.50 - —
chalk, whiting, 325 mesh, bgs., c.l., works ton. 32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton. 30.00 - —
10 to 20 microns, bgs., c.l., works ton. 17.00 -18.00
Calcium carbonate, precip., dense, bgs. c.l. works ton 30.00 -35.00
bgs., l.c.l., works ton. 45.00 -50.00
medium, bgs. c.l., works ton. 38.00 - —
bgs., l.c.l., works ton. 43.00 - —
Calcium carborate, precip., surface treated, bgs. c.l., works ton. 40.00 -42.00
bgs., l.c.l., works ton. 55.00 -57.00
ultrafine, bgs., c.l., works ton. 117.50 167.50
bgs., l.c.l., works ton. 137.50 -157.50
Calcium chloride, flake, 77-80%, paper bgs. c.l., works, frt. equald ton. 31.00 - —
Conc., flake or pellet, 94-97%, paper bgs., c.l., works, frt. equald ton. 37.80 - —
Powd., 77% min., paper bgs., c.l., works, frt. equald ton. 37.00 - —
Purif., gran., dms. lb .27 - —
USP, gran., dms. lb .32 - —
Liquor, 40% tanks, frt equald ton. 12.50 - —
Solid, 73-75%, dms., c.l., frt. equald ton. 29.50 - —
dms. l.c.l., works, frt equald ton. 36.00 -73.00
Calcium chromate, bgs., dlvd lb. .37 - —
Calcium cyanide, cms., c.l., dlvd E. of Rockies lb. .20 - —
dms., l.c.l., same basis lb. .24 - .55
Calcium cyclamate 100-lb dms lb 1.95 - —
Calcium gluconate, USP, powd., 150-lb. dm., ton lb. .66½ - —
AA, 150-lb. dm., ton lb. .73½ - —
Calcium hydride, lump, dms., works, lb. 2.20 3.00
Calcium hypochlorite, high test, 45-lb cs., dlvd E of Rockies cs. 22.95 -25.10
100-lb dms., same basis dm 30.80 -34.50
Calcium hypophosphite dms., 1,000-lb lots lb 1.28 - —
Calcium iodide, jars lb 4.52 - —
Calcium lactate, NF dms. 10,000-lb. lots or more works lb .36 - .40
dms., smaller lots, works lb .41 - .43
Calcium mandelate, USP, dms., works lb 2.10 - 2.25
Calcium naphthenate, liq. 4% Ca., dms frt equald lb .30 - —
Calcium pantothenate, 1-kilo or more, kilo. 35.00 - —
Calcium para-aminosalicylate (see Calcium p-aminosalicylate).
Calcium phenolsulfonate, dms lb. 1.24 - 1.25
Calcium phosphate, dibasic, USP, bgs. c.l. frt equald 100 lbs. 8.25 - —
Calcium phosphate, dibasic, feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton. 83.25 - —
bgs., c.l., t.l., f.o.b. Texas City works ton. 77.70 - —
bgs., l.c.l., frt. equald ton. 93.25 - —
21% P., bgs., c.l., t.l., frt. equald ton. 94.50 - —
bgs., l.c.l., frt. equald ton. 104.50 - —
Prices of calcium phosphate dibasic in bulk $3 per ton less than bg., c.l. prices
Calcium phosphate, monobasic, bgs., 10,000-lb. lots, frt. equald, 100 lbs. 7.45 - —
bgs., smaller lots, same basis, 100 lbs. 7.95 - —
Calcium phosphate, tribasic, NF, precip., bgs., c.l., works, frt. equald 100 lbs. 9.25 - —
bgs., l.c.l., frt. equald, 100 lbs. 10.00 - —
Calcium phytate bgs., works lb. .50 - —
Calcium resinate precip, dms ton, lots, frt. alld., works lb. .36¼ - —
Calcium silicate, hydrated, bgs., c.l., works lb. .06 - —
bgs., l.c.l., works lb. .06½ - —
Calcium silicate, paint grade (see Wollastonite).
Calcium stearate, ctns., c.l. lb. .39 - —
ctns., l.c.l. lb. .40 - .44
Calcium sulfate (see Gypsum)
Calomel, NF X, powd., 100-lb. dms. lb. 5.42 - —
Camphene 46° m.p., dms. incl., c.l., works lb. .15 - —
dms. incl., l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .12½ - —
Camphene, chlorinated 67-69% (see Toxaphene)
Camphor, monobromated, NF, dms., kgs lb. 3.63 - 3.70
Camphor, nat., USP, powd., cs., 100-lb. lots lb. .60 - .65
tablets, 1-oz. cs. lb. .85 - .90
USP, gran., powd., bbls., 2,000-lb. lots lb. .59 - —
Syn., USP, gran., powd., bbls., 1,000-lb. lots lb. .60 - —
bbls., smaller lots lb. .61 - —
tablets, ctns., 1,000-lb. lots lb. .85 - —
ctns, 500-lb. lots lb. .86 - —
ctns. smaller lots lb. .87 - —
tech., 1 bbl. or more lb. .48 - —
Camphor oil, sassafrassy, dms. lb. .35 - .55
White, dms. lb. .26 - .50
Cananga oil, native, cns. lb. 6.50 - 7.00
Rectified, cns. lb. 8.25 -10.00
Candelilla wax, crude, bgs. lb. .53 - .54
Refd., bgs. lb. .57 - .59
Powdered Candelilla wax 20 to 100 mesh, 8c. higher.
Cantharides, Chinese, cs. lb. 1.25 - —
powd., bxs. lb. 1.75 - —
Russian, bgs. lb. 2.25 - —
powd., bxs. lb. 2.75 - —
Capric acid, dms. lb. .35½ - .38
tanks lb. .33 - —
Caprylic alcohol, 85% dms., c.l., and t.l., works lb. .19 - —
dms., t.t.l., same basis lb. .19½ - —
tanks, frt. equald lb. .16½ - —
Sec. 92-99% dms., c.l. lb. .22 - —
dms., l.c.l. lb. .23 - —
tanks lb. .19½ - —
Caprylic acid, dms lb. .35½ - .38
tanks lb. .33 - —
Capsicum (see Pepper red).
Capsicum oil (see Capsicum oleoresin).
Capsicum oleoresin, NF, from dom. pepper, dms lb. 4.00 - 4.75
NF, from African pepper, dms lb. 4.50 - 5.25
Caraway oil, dms lb. 3.10 - 3.50
Caraway seed, Danish, bgs lb. .12¼ - —
Dutch, bgs. lb. .13 - —
Polish, bgs. lb. .12 - —
Carbazole, 97%, bbls., ton lots, works lb. 1.05 - —
Carbon black, channel, rubber beads, bulk, c.l., works lb. .07¼ - —
bgs., c.l., works lb. .07¾ - —
bgs., l.c.l., works lb. .15½ - —
Carbon black, furnace, fast extruding, bgs., c.l., works lb. .06¾ - —
ctns., l.c.l., whse. lb. .13½ - —
high abrasion, bulk, c.l., works, lb. .07¼ - —
bgs., c.l., works lb. .07¾ - —
bgs., l.c.l., dlvd. or whse lb. .14½ - —
high modulus, bgs., c.l., works, lb. .06¼ - —
ctns., l.c.l., whse. lb. .13 - —
semi-reinforcing, bgs., c.l., works, lb. .05¾ - —
bgs., ctns., l.c.l., whse. lb. .12½ - —
Carbon black, pigment, high color beads, ctns., c.l., works lb. .72 - —
ctns., l.c.l., dlvd. or whse lb. .79 - —
medium color, uncompressed, bgs., c.l., works lb. .13½ - —
bgs., l.c.l., dlvd. or whse. lb. .22 - —
Carbon dioxide indust, wholesale, bulk, dlvd., Metropolitan area ton. 73.00 -115.00
50-lb. cyls., dlvd. lb. .09 - .11
Solid, bulk, wholesale, works ton. 85.00 - —
Carbon disulfide, 55-gal. dms., c.l., works, frt. equald to competitive points lb. .071 - —
55-gal. dms., l.c.l., same basis lb. .086 - .091
5-gal. dms. 30 dms. to c.l., same basis lb. .131 - —
5-gal. dms., less than 30 dms., same basis lb. .161 - —
tanks, dlvd. lb. .0545 - —
Carbon tetrachloride, CP, consumers, dms., c.l., frt. alld lb. .12¾ - —
dms., l.c.l., frt. alld. lb. .13¼ - —
Carbon tetrachloride, tech., consumers, dms., c.l. t.l., frt. alld, lb. .11¾ - —
dms., l.c.l., t.t.l., frt. alld lb. .14¼ - —
tanks, frt. alld. lb. .10¾ - .11¼
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
dms. smaller lots, works lb. 4.10 - 4.75
Cardamom oil, NF, bots lb. 42.00 -47.50
Cardamom seed, bleached "A" lb. 2.95 - —
Bleached "B" lb. 2.95 - —
Decorticated Alleppey, cs. lb. 2.85 - —
Cuatemala, cs. lb. 2.85 - —
Green, Alleppey, bgs. lb. 2.05 - —
Ceylon, bgs. lb. 2.00 - —
Carmine No. 40, NF, bulk, 100-lb lots or more, dlvd. lb. 16.80 - —
bulk, smaller lots, dlvd lb. 16.90 -17.30
Carnauba wax, chalky, bgs., ton lots lb. .70 - .72
North country, No. 2, crude, bgs., ton lots lb. .82 Nom.
Refd., pure, ton lots lb. .92 - .94
North country, No. 3, Ceara, crude, bgs., ton lots lb. .74 - .76
Ceara, refd., pure, bgs., ton lots lb. .83 - .84
Farnahyba, crude, bgs., ton lots lb. .76 - .78
Farnahyba, refd., pure, bgs., ton lots lb. .83 - .84
Yellow, No. 1, Ceara, bgs., ton lots lb. 1.10 - 1.12
Farnahyba, bgs., ton lots lb. 1.12 - 1.14
Powdered carnauba wax, 20 to 100 mesh, 8c. higher.

Carotene, tech., 1,350,000 A units per gram, tins 5-10 kilo lots, dlvd. gram. .24½ - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units. .12 - —
USP, microcrystalline in oil, 400,000 A units per gram, dms., dlvd million units. .174 - —
b-Carotene in vegetable oil, semi-solid suspension, 400,000 A units per gram, cns kilo. 57.60 - —
Liquid in vegetable oil, 500,000 A units per gram, cns kilo. 72.00 - —
Pure, cryst., 1,600,000 to 1,670,000 A units per gram., cns, kilo. 240.00 - —
Carvol, bots. lb. 5.00 - 5.40
Cascara sagrada bark, bulk lb. .30 - —
Casein, dom., edible, acid precip., 30 mesh., bgs., 10,000-lb. lots or more, works lb. .56 - —
edible, acid, precip., 80 mesh, bgs., 10,000-lb lots or more, works lb. .64 - —
Imp., inedible, acid-precip. grd., Argentine, bgs., c.l., ex-dock, Eastern seaports lb. .20 - .20½
New Zealand, bgs., c.l., same basis lb. .24 - .24½
Cashewnut shell liquid, treated dms., c.l., Newark, N. J. lb. .22 - —
dms., ton lots, same basis lb. .23 - —
dms., dm. lots, same basis lb. .25 - —
Cassella acid, dms., frt. alld., 100% basis lb. 1.44 - 1.75
Cassia, Padang, "A," bls lb. .30 - —
"B," bls. lb. .29 - —
"C," bls. lb. .28 - —
Korintje "A," bls. lb. .29 - —
"B," bls. lb. .28½ - —
"C," bls. lb. .27½ - —
Cassia oil (see Cinnamon leaf oil, USP).
Castor oil, dom., blown, dms., c.l. lb. .2550 - —
dms., l.c.l. lb. .2650 - —
dehydrated, bodied, dms. c.l. lb. .2700 - —
dms., l.c.l. lb. .2850 - —
tanks lb. .2500 - —
Castor oil, dom., dehydrated, unbodied, dms., c.l., lb. .2500 - —
dms., l.c.l. lb. .2660 - —
tanks lb. .2360 - —
hydrogenated, bgs., c.l. lb. .2450 - —
bgs. ton lots lb. .2350 - —
bgs., l.c.l., dlvd lb. .3050 - —
No. 1, dms., c.l. lb. .2150 - —
dms., l.c.l. lb. .2250 - —
tanks lb. .1950 - —
No. 3, tech., dms., c.l. lb. .2125 - —
dms., l.c.l. lb. .2225 - —
tanks lb. .1925 - —
Refd. and deodorized, dms., c.l. lb. .2650 - —
dms., l.c.l. lb. .2750 - —
Castor oil, No. 3, USP, dms., c.l. lb. .2350 - —
dms., l.c.l. lb. .2450 - —
tanks lb. .2150 - —
Imp., No. 1, Brazilian, tanks lb. .17¾ - —
Castor oil, sulfonated, 50%, dms., works lb. .15 - .15¼
75%, dms., works lb. .19 - .19¼
Castor oil acids, dehydrated, dms. lb. .44¼ - .46¼
Split, dms. lb. .37¼ - .38¼
Castor pomace, bgs., c.l., works ton. 35.00 - —
Castoreum, nat., cns. lb. 5.25 - —
Syn., cns. lb. 9.00 - —
Catechol, CP, cryst., fib., dms., works lb. 2.17½ - —
Resub., dms., works lb. 4.29½ - —
Catnip leaves, Southern, bls lb. .65 - .75
Caustic potash (see Potash caustic).
Caustic soda (see Soda, caustic).
Cedarleaf oil, USP XIII cns., dms. lb. 2.85 - 3.10
Cedarwood oil, cns., dms. lb. .51 - .65
Celery seed, French, bgs lb. .33 - —
Indian, bgs. lb. .19 - —
Cellulose acetate, flake, powd., bgs. ctns., 100-lb. lots or more, dlvd., E lb. .35 - .45
Cellulose acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
Cellulose acetate-butyrate, 38% butyryl content, bgs., dlvd. E. lb. .545 - .555
38% butyryl content, half-second, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd., E lb. .585 - .595
Cellulose gum, methyl (see Methyl Cellulose).
Cellulose gum, pure, high vis., bgs., 23,000-lb lots or more works, frt. alld lb. .57 - —
bgs, smaller lots, same basis, lb. .59 - —
Cerium chloride, 46%, dms., dlvd lb. .25 - —
Cerium hydrate, 74% CeO fib. dms., 100-lb. lots or more lb. 1.40 - —
77% CeO, fib. dms. 100-lb. lots or more lb 1.74 - —
Cerium oxalate (see Rare earth oxalate).
Cerium oxide, optical grade, bgs., 50-lb. lots or more, dlvd lb. 1.85 - 1.90
bgs., smaller lots, dlvd lb. 1.95 - —
Cetyl alcohol, NF, special, fib. cns., c.l., t.l., dlvd. E lb. .48½ - —
fib. cns., l.c.l., same basis lb. .50½ - —
tanks, same basis lb. .46 - —
Cetyl alcohol, NF, fib. cns., c.l., t.l., dlvd. E lb. .41½ - —
fib. cns., l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .39 - —
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian, bls lb. 2.00 - 2.25
Roman, cs. lb. 1.50 - —
Chamomile oil, blue Hungarian, bots lb. 350.00 - —
Charcoal, activated, NF, fib dms., c.l., works lb. .25 - .32
fib. dms., 5-ton lots, works lb. .26½ - .32¼
fib. dms., smaller lots, works lb. .27 - .50
Charcoal, black (see Charcoal, activated).
Charcoal, bone (see Bone black).
Charcoal, hardwood, lump bulk, c.l., f.o.b. plant ton. 55.00 - —
briquets, bulk, c.l., f.o.b. plant. ton. 78.00 -80.00
5-lb. paper bgs., c.l., same basis ton. 106.00 - —
25-lb. paper bgs., c.l., f.o.b. plant ton. 87.00 - —
40-lb. paper bgs. c.l., same basis ton. 84.00 —
Chenopodium oil NF, cns. lb. 4.15 - 5.00
Chicago acid paste, bbls. frt. alld lb. 3.21 - —
Chinawood oil (see Tung oil).
Chloral, tech. 94% min. dms., c.l., works lb. .23 - —
dms., l.c.l., works lb. .24 - —
tanks, multiple units, 5 cars, works lb. .21 - —

Chloral hydrate, USP, jars, 1,000-lb lots lb. 1.00 - —
jars, 500-lb. lots lb. 1.03 - —
jars, 100-lb lots or less lb. 1.05 - —
Chlordan, agricultural, dms., c.l., frt. alld lb. .63 - —
dms. l.c.l. 5,000 to 10,000-lb. lots, frt. alld lb. .65 - —
Chlordan, clarified, dms., c.l., frt. alld lb. .69 - —
dms., l.c.l., 5,000-10,000-lb lots, frt. alld lb. .70 - —
Chlorinated paraffin, 42%, dms., c.l. frt. alld lb. .16¼- —
dms. l.c.l. 10 dms. or more, same basis lb. .17¼- —
70%, dms., c.l., same basis lb. .18½- —
dms. l.c.l. 10 dms. or more, same basis lb. .19½- —
Chlorinated rubber, 5, 10, 20 cps., ctns., c.l., works lb. .60 - —
ctns., l.c.l., works lb. .61 - —
Chlorinated rubber, 125, 1,000 cps., ctns., c.l., works lb. .70 - —
ctns., l.c.l., works lb. .71 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .11 - —
cyls., l.c.l. Metropolitan area lb. .12½- .13¾
tanks, single units, works, frt. equald 100 lbs. 3.15 - —
tanks, multiple units, 5 cars, works, frt. equald 100 lbs. 4.05 - —
tanks, multiple units, 4 cars, same basis 100 lbs. 4.25 - —
tanks, multiple units, 2 cars, same basis 100 lbs. 5.25 - 5.75
tanks, multiple units, 1 car, same basis 100 lbs. 6.25 - 7.25
Chloroacetic acid, mono, flake, 99%, dms., c.l lb. .23½- .25½
dms., l.c.l. lb. .24½- —
tech. flake, 96-97%, dms., c.l., frt. equald lb. .19 - —
dms., l.c.l., frt. equald lb. .20 - —
2-Chloro-4-aminotoluene, tech., liq., dms., frt. alld lb. 1.03 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
6-Chloro-2-aminotoluene, tech., liq., dms., frt. alld lb. .66 - —
m-Chloroaniline, dms., c.l., frt. alld. lb. .75 - —
dms., l.c.l., same basis lb. .77 - —
tanks, same basis lb. .73 - —
o-Chloroaniline, dms., c.l., frt. alld. lb. .52 - —
dms., l.c.l., same basis lb. .54 - —
tanks, same basis lb. .50 - —
p-Chloroaniline, dms., c.l., frt. alld. lb. .77 - —
dms., l.c.l., same basis lb. .79 - —
o-Chlorobenzaldehyde, dms., t.i., works, dlvd. to N.Y. Metropolitan area lb. 1.05 - —
dms., t.t.l., same basis lb. 1.20 - —
p-Chlorobenzaldehyde, dms., l.c.l., works, dlvd. to N. Y. Metropolitan area lb. 1.95 - —
o-Chlorobenzoic acid, fib. dms., t.l., works lb. 1.10 - —
fib. dms., smaller lots, works lb. 1.25 - —
p-Chlorobenzoic acid, fib. dms., 2,000-lbs. or more, works. lb. 2.25 - —
fib. dms., less than 2,000-lbs., same basis lb. 2.30 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms., c.l., dlvd lb. .27 - —
dms., l.c.l., dlvd lb. .30 - —
tanks, minimum 4,000 gals., dlvd. lb. .25 - —
2-Chloro-4-nitroaniline, paste, dlvd. E. 100% basis lb. .81 - —
Powd. dlvd. E. 100% basis lb. .86½- —
4-Chloro-2-nitroaniline, powd., dlvd. E lb. .80½- —
4-Chloro-2-nitrophenol, tech., paste, dms., frt. alld lb. .75 - —
4-Chloro-2-nitrotoluene, tech., solid, dms., frt. alld lb. .99 - —
6-Chloro-2-nitrotoluene, tech., solid, dms., frt. alld lb. .17 - —
o-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
p-Chlorophenol, dms., c.l., frt. equald lb. .37 - —
dms., l.c.l., same basis lb. .38 - —
Chloropicrin, coml., cyls., 180 lbs., frt. alld lb. 1.07 - —
cyls., 100 lbs., same basis lb. 1.08 - —
cyls., 50 lbs., same basis lb. 1.14 - —
Chlorosulfonic acid, dms., c.l., frt. equald lb. .0465- —
dms., l.c.l., frt. equald lb. .0515- —
tanks, frt. equald lb. .0415- —
Chlorosulfonic acid, in stainless steel dms. ½c. per lb. higher
o-Chlorotoluene, tech., dms., t.l., works lb. .37 - —
dms., l.c.l., l.t.l., same basis lb. .38 - —
Choline bitartrate, fib dms., frt. adjusted kilo. 2.75 - 3.00
Choline chloride, fib. dms., frt. adjusted kilo. 2.75 - 3.00
Choline dihydrogen citrate, fib. dms., frt. adjusted kilo. 2.75 - 3.00
Chrome green, CP, dark, ugnt medium blue content 1-15%, bbls., dlvd. E. of Rockies lb. .40 - .42
blue content 16-30%, bbls., same basis lb. .40 - .42
blue content 31-45%, bbls., same basis lb. .41 - .43
Chrome green, CP, dark, light, medium, blue content 45-48%, bbls., same basis lb. .44 - .46
Reduced color, 25% lb. .19 - .20
Chrome green prices 1c. higher W. of Rockies.
Chrome orange, CP, bbls., dlvd. E. of Rockies lb. .31½- —
Chrome orange prices 1c. higher W. of Rockies.
Chrome yellow, CP, bbls., dlvd. E. of Rockies lb. .31½- —
Chrome yellow price 1c. higher W. of Rockies.
Chromic acid, 99¾%, dms., c.l., works, frt. equald lb. .29½- —
dms., l.c.l., dlvd. N. Y. Metropolitan area lb. .30 - .31
Chromic acid, NF (see Chromium trioxide).
Chromium acetate, soln., 7½%, NF, yellow, broken, bgs. lb. .35 - .40
dms., 500-2,000-lb. lots, works. lb. .10 - —
Chromium oxide, hydrated, bbls., fib. dms., c.l., frt. alld lb. 1.20 - —
Pure, bgs., c.l., frt. alld. lb. .44½- —
bgs., l.c.l., same basis lb. .45¼- —
Chromium trioxide, NF, bots lb. 1.15 - —
Cinchona bark, NF, red, broken, bgs lb. .25 - —
Chromium fluoride, bbls., works lb. .51 - .52
Cinnamic acid refd. bots. lb. 2.50 - 3.50
Cinnamic alcohol, bots. lb. 1.90 - 2.20
Cinnamic aldehyde, dms lb. .92 - 1.25
Cinnamon, Ceylon, No. 2, bgs lb. .72 - —
Ceylon No. "0000" bgs. lb. .85 - —
Cinnamon bark oil, bots lb. 36.00 -70.00
Cinnamon leaf oil, crude, dms lb. 1.35 - 2.00
USP (Cassia), cns., dms lb. 8.50 -13.50
Citral, CP, bots lb. 3.15 - 3.25
Extra, bots. lb. 3.45 - 5.05
Citric acid, USP, anhyd., fine gran., bgs., dms., c.l lb. .29½- .30
bgs., dms., 10,000-lb. lots, 1 shipt lb. .30 - .30½
bgs., dms., smaller lots lb. .30½- .31
Citric acid, USP, hydrous, fine gran., bgs., dms., c.l lb. .27½- .28
bgs., dms., 10,000-lb. lots, 1 shipt lb. .28 - .23½
bgs., dms., smaller lots lb. 29 - .29½
Powdered citric acid ½c. per lb. higher.
Citronella oil, Ceylon, dms lb. .53 - .95
Java-type, dms. lb. .52 - .95
Citronellol, bots., dms lb. 2.30 - 3.30
Civet, artif. bots. lb. 13.75 -15.00
Nat., bots. oz. 8.50 -15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn ton. 17.50 -21.50
crushed, shed moisture, bulk, c.l. Tenn ton. 8.00 -11.00
Clay, ball, imp., airfloated, bgs, c.l., Atl. port net-ton. 42.00 -45.75
lump, bulk, Atl. port net-ton. 29.50 -35.75
Clay, China, dom., dry-grd., airfloated, 99%, 325 mesh, Georgia, bgs., c.l., works, ton. 10.00 -12.00
Georgia, bgs., l.c.l. works. ton. 15.50 - —
Clay, China, dom., airfloated, 99%, 300 mesh bgs., c.l., Georgia, works ton. 13.50 -14.50
bgs., l.c.l., ex-whse ton. 35.00 -36.00
Clay, China, imp., white, lump, bulk, c.l., ex dock, Philadelphia, Portland, Me long-ton. 20.00 -35.00
powd., bgs., c.l., ex dock, net-ton. 50.00 —
bgs., l.c.l., ex whse net-ton. 60.00 -70.00
Cleaner's naphtha, petroleum, 140°F, flash, tanks, east coast, New Jersey and New York gal. .18 - —
tanks, group 3 gal. .15 - .15½
tanks, Houston, Tex. gal. .19 - —
tankwagon, Newark gal. .19 - —
New York gal. .19 - —
Philadelphia gal. .19½- —
Cleve's acid, tech., mixed, solid, dms., frt. alld lb. 1.05 - —
Cleve's acid, 1,6, tech. solid, dms., frt. alld lb. .77 - —
1,7, tech., dms., frt. alld. lb. 2.20 - —
Cloves, Madagascar, bgs lb. .39 - —
Zanzibar, bgs. lb. .46 - —
Clove bud oil, USP, dms lb. 2.75 - 4.00
Clove leaf oil, crude, dms lb. 1.40 - 2.00
CMC, crude, 96.4% low or medium vis. bgs. or fib. dms., 23,000 lbs., dlvd. E., 100% basis lb. .41½- —
96.4% low, or medium vis., bgs. or fib. dms., 23,000 lbs. dlvd. E., 100% basis lb. .43½- —
65%, low or medium vis., bgs., or fib. dms., c.l., dlvd. E., 100% basis lb. .41½- —
bgs. or fib. dms., l.c.l., dlvd. E., 100% basis lb. .43½- —
CMC, purif. high vis. (see Cellulose gum).
CMC, standard, low or medium vis., bgs., 23,000 lbs., works, frt. alld lb. .57 - —
bgs., smaller lots, same basis. lb. .59 - —
CMC prices W. of the Rockies are 2c. per lb lower and are on a works basis.
Coaltar, crude, resale for solns., tanks, works gal. .17 - —
Coaltar, refd., resale, indust., dms., c.l., ex whse gal. .35 - —
dms., l.c.l., ex whse. gal. .39 - —
tanks, works gal. .20½- —
Coaltar pitch, aluminum, bulk, works ton. 44.00 - —
Carbon and indust. bulk, works. ton. 44.00 - —
Coaltar pitch, core, bulk, works ton. 40.50 - —
Fiber, bulk, works ton. 48.00 - —
Roofing, 140-155°F., Federal Specification RP-381 Type I, tanks, works ton. 41.00 - —
Cobalt acetate, 23.7% Co., dms. dlvd lb. 1.04 - —
Cobalt blue, genuine, 250 lb. bbls., dlvd. E. of Rockies lb. 4.90 - —
Cobalt blue prices 1c. higher W. of Rockies.
Cobalt blue, imitation (see Ultramarine blue).
Cobalt carbonate, 48% Co., powd., bgs., dlvd lb. 1.45 - —
Cobalt chloride, 24.2% Co., dms., dlvd lb. .99 - —
Cobalt hydrate, 60-61% Co., dms., dlvd lb. 2.05 - —
Cobalt linoleate, fused 8½% Co., dms lb. .71½- —
Liq., 6% Co., dms. lb. .57½- —
Cobalt metal, 97-99% dms. f.o.b. carrier lb. 1.75 - —
Cobalt naphthenate, liq., 6% Co., dms. dlvd lb. .48¾- —
Cobalt nitrate, 20.1% Co. bbls. dlvd. lb. .80 - —
Cobalt oxide, black, ceramic grade, 72½-73½% Co., dlvd. E. of Rockies lb. 1.33 - —
70-71% Co., kgs. same basis lb. 1.29 - —
Cobalt phosphate, powd., 32.1% Co., dms., dlvd lb. 1.35 - —
Cobalt resinate, fused 3% Co. dms. lb. .29½- —
Cobalt sulfate, cryst., 21% Co. dms., dlvd lb. .64 - —
Cobalt sulfate, monohydrated, 33% Co, dms., dlvd lb. 1.09 - —
Cobalt tallate, 6% Co. dms., dlvd. lb. .44 - —
Cocaine, USP, cns., 100-oz. lots oz. 17.80 - —
Cocaine hydrochloride, cns., 100-oz. lots oz. 13.75 - —
Cocillana bark, bls lb. .20 - .22
Cocoa butter, bgs. lb. .74 - .79
Coconut oil, crude, tanks, New York lb. .22½- —
tanks, Pac. coast lb. .20½- —
Refd., deodorized, dms., l.c.l. lb. .28 - .29
Coconut oil acids, dist., dms lb. .30½- .33
tanks lb. .28 - —
double dist. (stripped), dms lb. .31½- .34
tanks lb. .29 - —
Cod oil, dms., spot lb. .09 - .09¼
Codeine, NF, cns., 100-oz lots oz. 13.25 - —
Codeine hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Codeine phosphate, USP, cns., 100-oz. lots oz. 10.25 - —
Codeine sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil, USP, dms. gal. 1.40 - 1.70
Cohosh root, black, bls. lb. .20 - .22
Blue, bls. lb. .20 - .22
Colchicine, USP, bots oz. 27.00 - —
Colchicum root, bls lb. .30 - .35
Colchicum seed, bgs lb. .60 - .65
Collodion, USP, dms. lb. .32½- —
Flexible, dms. lb. .34 - —
Colocynth pulp, bls lb. .50 - .55
Colombo root, bls lb. .16 - .18
Condurango bark, bls. lb. .26 - —
Congo copal gum, No. 1, bgs lb. .25 - .26
No. 2 bgs. lb. .22 - .24
No. 3, bgs. lb. .16½- .19
Copaiba balsam, cns., dms lb. .65 - —
Copaiba oil, cns. lb. 1.35 - 2.00
Copper acetate, bbls., c.l., works. lb. .53 - —
bbls., l.c.l., works lb. .54 - —
Copper carbonate, 55%, bgs., c.l., works lb. .3435- —
bgs., l.c.l., works lb. .3635- —
Copper chloride, cupric, anhyd., dms., works lb. .44¾- .45¼
Cryst., dihydrate, dms., works, lb. .30½- .31
Cryst., dried, dms., works lb. .33¾- .39¼
Copper chloride, cuprous, dms., works lb. .4030- .4330
Copper cyanide, tech., dms., 20,000-lb lots or more lb. .609 - —
dms., 1,000-lb. lots or more lb. .619 - —
dms., smaller lots lb. .639 - .659
Copper gluconate, dms. lb. 3.20 - —
Copper hydrate dms., c.l., frt. alld. E. of Miss lb. .51¾- —
dms., l.c.l., same basis lo. .52¼- —
Copper metal, electrolytic, dlvd. Valley basis lb. .31½- —
Copper naphthenate, liq., 8% Cu, dms., frt alld lb. .26½- —
Copper nitrate, tech., cryst., dms., works lb. .30¾- .32¾
Copper oleate, solid 9% Cu, dms., works lb. .45 - —
Copper oxide, black, bbls., 100-5,000-lb. lots, works lb. .47¾- —
Copper oxide, red, 97%, USN Type I, bbls., 100-5,000-lb lots lb. .48½- —
90%, USN Type II, bbls., 100-5,000-lb. lots or more, works. lb. .46½- —
Copper quinolinolate, 18% Cu, dms., ton lots lb. 4.25 - —
10% active quinolinolate, dms lb. 1.14 1.15
Copper resinate, precip. dms., frt. alld lb. .36½- —
Copper sulfate, CP, gran., dms., works lb. .1920- —
Cryst., 98%, bgs. c.l., works, 100 lbs. 12.30 - —
bgs., l.c.l., works 100 lbs. 12.80 -15.30
Copper sulfate, monohydrated, 35%, dms., c.l., works 100 lbs. 23.05 - —
dms., l.c.l., works 100 lbs. 23.80 - —
Copper sulfate, tribasic, distributors, bgs., c.l., works 100 lbs. 28.15 - —
bgs., l.c.l., works 100 lbs. 29.15 -32.15
Copper undecylenate, dms. lb 2.75 - —
Copra, Atl., Gulf ports, c.i.f. ton. 270.00 - —
Pac. ports, c.i.f. ton. 265.00 - —
Coriander oil, USP, bots. lb. 9.25 -11.50
Coriander seed, Moroccan, bgs lb. .08 - —
Rumanian, bgs. lb. .07½- —
Yugoslavian, bgs. lb. .06½- —
Corn oil, crude, tanks, works lb. .13½- —
Foots (soapstock) acid 95%, tanks, New York lb. .07 - —
Refd., salad, dms. lb. .1923- .1950
tanks lb. .1723- —
Corn oil acids, dist., dms lb. .16¾- .19¼
tanks lb. .14¼- —
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min 100 lbs. 7.30 - —
paper bgs., l.c.l 100 lbs 7.45 - —
Corn syrup, 42° Be., non-ret. dms., c.l 100 lbs. 7.31 - —
non-ret. dms., l.c.l. 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric chloride).
Cortisone acetate, USP kilo or more gram. 1.90 - 2.00
Costus oil, bots. oz 6.00 - —
Cottonseed meal, 41%, bgs., Memphis ton. 62.00 - —
Cottonseed oil, crude, tanks, South, East lb. .13½- —
tanks, Valley lb. .13 - —
tanks, Texas, Lubbock lb. .12⅝- —
tanks, Texas, Waco lb. .12¾- —
Foots (soapstock), acid 95%, tanks, New York lb. .05 - —
Refd., salad, dms. lb. .18½- .18¾
tanks lb. .16½- —
Cottonseed oil acids, dist., dms lb. .16¾- .19¼
tanks lb. .14¼- —
Coumarin, NF, cryst., dms. lb. 3.60 - 3.70
Cramp bark, NF, bls. lb. .85 - .90
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots. cbys., lb. 3.05 - 3.26
Creosote, coaltar, crude, tanks, works, frt. adjusted gal. .24 - —
crude, soln. 80%, tanks, works. gal. .226 - —
Creosote, coaltar, refd., dms., c.l., works gal. .50 - —
dms., l.c.l., same basis gal. .62 - —
tanks, same basis gal. .38 - —
West Coast creosote prices computed on a basis of 24c. per gallon for straight oil and 20c. per gallon for coaltar.
Creosote oil (see Creosote coaltar).
Creosote, beechwood, cbys., dms., f.o.b., works, dlvd. in Metropolitan area lb. 1.72 - 1.77
Hardwood, NF, cbys., dms., same basis lb. 1.42 - 1.47
Pinewood, dms., incl., c.l., works lb. .0561- —
dms. incl., l.c.l., works lb. .0634- —
dms. incl., l.c.l., ex whse, New York lb. .0745- —
tanks, works lb. .0460- —
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret. dms., c.l., frt. alld lb. .16½- —
non-ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .145 - —
USP, non-ret. dms., c.l., same basis lb. .18 - —
non-ret. dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
m-Cresol, 95-98% dms., c.l., works. lb. .60 - —
dms., l.c.l., works lb. .61 - —
m-p-Cresol, 5-95% 3°C., dms., c.l., frt. equald lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .16 - —
2.97% 2°C., dms., c.l., frt. equald. lb .22 - —
dms., l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
o-Cresol, 30.5°C. m.p. and over, ret. dms., c.l., frt equald lb. .17 - —
ret. dms., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
30°-30.49°C. m.p., dms., c.l., frt. equald lb. .16½- —
ret. dms., l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14½- —
29°-29.9°C. m.p., dms., c.l., frt. equald lb. .16 - —
ret. dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .14 - —
25°-28.9°C. m.p., dms., c.l., frt. equald. lb. .15 - —
ret. dms., l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .52 - —
dms., l.c.l., dlvd lb. .53 - —
tanks, dlvd. lb. .49 - —
2,3-Cresotic acid, dms., ton lots, works lb. .70 - —
dms., smaller lots, works lb. .72 - —
p-Cresyl methyl ether, cns. lb. 1.80 - 2.03
Cresylic acid, coaltar, dom., meta-para content above 25%, resins and tricresyl phosphate grades, dms., c.l., t.l., frt. equald gal. 1.35 - —
dms., l.c.l., same basis gal. 1.40 - —
tanks, same basis gal. 1.15 - —
Cresylic acid, coaltar, dom., meta-para content 25% or less, dms., c.l. t.l. same basis gal. 1.20 - —
dms., l.c.l., same basis gal. 1.25 - —
tanks, frt equald. gal. 1.00 - —
Cresylic acid, coaltar, imp., meta-para content, 25% or less, f.o.b works, frt. equald, to competitive points, 50 dms. or more gal. 1.03½- —
less than 50 dms. same basis. gal. 1.05 1.15
tanks, same basis gal. 1.00 - —
Crotonaldehyde, 91-93% dms., l.c.l., works lb. .25 - —
Crotonic acid, dms. 200 lbs. or more, l.c.l., works lb. .51 - —
Cryolite, nat., indust., bgs., c.l., works 100 lbs. 13.00 - —
bgs., l.c.l., works 100 lbs. 14.25 - —
Cube root powd. 5% rotenone, bgs., c.l. t.l. works lb .25 - —
Cubeb berries, NF, bgs. lb. 1.00 - —
Powd., cs. lb. 1.15 - —
Cubeb oil, cns. lb. 12.00 -16.00
Cumene, dms. c.l., works lb. .12 - —
dms., l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .30 - —
Moroccan, bgs. lb. .31 - —
Turkish, bgs. lb. .28 - —
Cumin seed oil, bots., cns. lb. 15.50 -17.00
Cyanamide, fertilizer, mixing grade, 21% N gran. bgs., Niagara Falls, Ont., contract ton. 57.00 - —
pulv., 21% N. bgs. works. unit-ton 2.85 - —
Cyanamide, indust grade, bgs., c.l., works ton. 75.00 - —
bgs., l.c.l., works ton. 96.00 - —
indust. grade 6-16 mesh, dms., c.l. works ton. 120.00 - —
dms., l.c.l., works ton. 140.00 - —
Cyclohexane, 99%, tech., dms., c.l., dlvd E of Rockies gal. 1.02 - —
dms., l.c.l., same basis gal. 1.10 - —
Cyclohexane, 99%, tech., dms., c.l., dlvd. W of Rockies gal. .77 - —
dms., l.c.l., same basis gal. .85 - —
tanks, works gal. .55 - —
Cyclohexanol, tech. dms. c.l., works, frt alld. E lb. .28½- —
dms., l.c.l., works, same basis. lb. .29½- —
tanks, works, same basis lb. .26 - —
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
dms., l.c.l., works lb. .34½- —
tanks, works lb. .31 - —
Cyclohexylamine, dms., c.l., works. lb. .49 - —
dms., l.c.l., works lb. .50 - —
tanks, works lb. .47 - —
Cyclopropane, CP, 2-lb. cyls., works. cyl. 48.00 - —
6-oz cyls., works cyl. 12.00 - —
Cyclopropane, USP, hospitals, cyls., 40-gal. lots gal. .42 - —
cyls., 100-gal lots gal. .41 - —
cyls., 200-gal. lots gal. .40 - —
Cypress oil, bots. lb. 5.30 - —

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2,4-D tech. bgs., dms., c.l., works, frt. equald lb. .40 - —
bgs., dms., l.c.l., same basis lb. .45 - .49
2,4-D butyl ester, dms., c.l., works. lb. .43 - —
dms., l.c.l., same basis lb. .48 - .52
tanks, same basis lb. .42 - —
2,4-D isopropyl ester, dms., c.l., works lb. .43 - —
dms., l.c.l., works lb. .48 - .52
tanks, works lb. .42 - —
Dammar gum, Batavia A E, cs lb. No stocks.
East India, Batu, bold, bgs. lb. .14¼- .16½
nubs and chips bgs lb. .08½- .09½
black, bold, bgs lb. .14½- .16½
nubs and chips, bgs lb. .12¼- .13½
unscraped, bgs. lb. .13 - .14½
pale, chips, bgs lb. .14½- .16
nubs and chips, bgs lb. .09 - .10
Siam, cs. lb. .30 - .33
Singapore, No. 1, bgs lb. .36 - .41
No. 2, bgs lb. .29 - .32
No. 3, bgs lb. No stocks.
dust, bgs. lb. .17 - .19
Dandelion root, bls. lb. .28 - .32
DDD, tech., flake, grd., fib. dms., c.l., works lb. .45 - .47
fib. dms., l.c.l. works lb. .46 - .48
DDT, flake or lump, bgs., c.l., dlvd lb. .23 - —
bgs., smaller lots same basis. lb. .25 - —
fib. dms., c.l., same basis lb. .24 - —
fib. dms., smaller lots, same basis lb. .26 - —
Powdered DDT 1c. per pound higher.
1-Decanol, tech., dms., c.l., dlvd. E. lb. .41½- —
dms., l.c.l., dlvd. E. lb. .43½- —
tanks, dlvd. E. lb. .39 - —

Decyl Alcohol—Di-2-Ethylhexyl Adipate

Decyl alcohol, mixed isomers, dms., c.l., dlvd lb. .23½- —
dms., l.c.l., dlvd lb. .25 - —
tanks, dlvd. lb. .21 - —
Perfume grade, bots lb. 1.75 - 2.00
Decyl alcohol, normal (see 1-Decanol)
Deertongue leaves, bls lb. .45 - —
Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works ton 51.00 - —
18% P, paper bgs., c.l., works, ton 63.50 -69.12
19% P, paper bgs, works, Houston, Tex., c.l., t.l ton 71.50 - —
Prices of defluorinated phosphate in bulk $3 per ton less than bg. c.l. prices
Degras, common, bbls lb. .10 - .12
Neutral, bbls lb. .21 - .23
Denatured alcohol, ethyl, CD-12, CD-13, CD-14, CD-17, dms., c.l., dlvd E of Rockies gal. .69½- —
dms., l.c.l., same basis gal. .74½- .80½
tanks, dlvd., same basis gal. .53½- —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division
Denatured alcohol ethyl, proprietary solvent, dms., c.l., dlvd, E of Rockies gal. .72 - —
dms., l.c.l., same basis gal. .77 - .83
tanks, same basis gal. .56 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Division.

Denatured alcohol, ethyl, SD1, dms., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .69 - —
dms., l.c.l., same basis gal. .74 - .80
tanks, same basis gal. .53 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .68 - —
dms., l.c.l., same basis gal. .73 - .79
tanks, same basis gal. .52 - —
SD23A, dms., l.c.l., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .71 - —
dms., l.c.l., same basis gal. .76 - .82
tanks, same basis gal. .55 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .69½- —
dms., l.c.l., same basis gal. .74½- .80½
tanks, same basis gal. .53½- —
SD30, dms., c.l., dlvd. E. of Rockies gal. .68 - —
dms., l.c.l., same basis gal. .73 - .79
tanks, same basis gal. .52 - —
SD-35A, dms., c.l., dlvd. E. of Rockies gal. .71 - —
dms., l.c.l., same basis gal. .76 - .82
tanks, same basis gal. .55 - —

Denatured alcohol, ethyl, SD-46, dms., c.l., dlvd. E. of Rockies gal. .70½- —
dms., l.c.l., same basis gal. .75½- .81½
tanks, same basis gal. .54½- —
For anhyd. alcohol on above formulas, prices are 7c. per gal. higher.
West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon, and Washington where a 5c. differential on tankcars is maintained.
d-Desoxyephedrine hydrochloride, dms. lb. 15.00 -17.00
dl-Desoxyephedrine hydrochloride, dms. lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 9.38 - —
paper bgs., l.c.l. 100 lbs. 9.53 - —
Dextrin, corn, canary dark, paper bgs., c.l. 100 lbs. 9.22 - —
paper bgs., l.c.l. 100 lbs. 9.37 - —
Dextrin, corn, indust. grade, 6-16 mesh, dms., canary light, paper bgs., c.l. 100 lbs. 9.12 - —
paper bgs., l.c.l. 100 lbs. 9.27 - —
white, paper bgs., c.l. 100 lbs. 8.96 - —
paper bgs., l.c.l. 100 lbs. 9.11 - —
Corn dextrin in cotton bgs. 15c. per 100 lbs. higher.
Dextrose, anhyd., coml., bgs., c.l., ex whse. 100 lbs. 8.50 - —
bgs., l.c.l., ex whse. 100 lbs. 8.65 - —
Hydrated, coml., bgs., c.l., ex whse. 100 lbs. 7.30 - —
bgs., l.c.l., ex whse. 100 lbs. 7.45 - —
Anhyd., special, al. foil lined fib. dms., 200-lb. dms. 100 lbs. 14.70 - —
100-lb. dms. 100 lbs. 15.20 - —
USP, dms. lb. .19¾- —

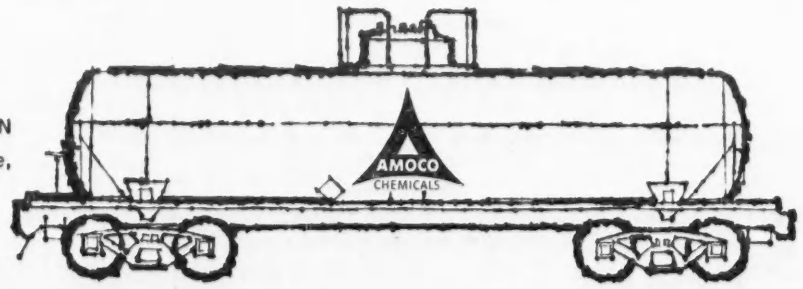
Diacetyl, flavor grade, bots lb. 4.30 - 4.58
Di-sec-amyl phenol, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Di-tert-amyl phenol, dms., c.l., works lb. .32 - —
dms., l.c.l., works lb. .33 - —
tanks, works lb. .29½- —
Diacetone alcohol, acetone-free, dms., c.l., dlvd lb. .15½- —
dms., l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .13 - —
Diacetone alcohol, tech., dms., c.l., dlvd lb. .15 - —
dms., l.c.l., dlvd lb. .16½- —
tanks, dlvd. lb. .12½- —
Diallylamine, dms., c.l., dlvd lb. .98½- —
dms., l.c.l., dlvd lb. 1.00 - —
tanks, dlvd. lb. .98 - —
o-Dianisidine, dry, tech., fib. dms. lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works, lb. .93 - —
dms., l.c.l., same basis lb. .94 - —
tanks, same basis lb. .91 - —
p-Dibromobenzene, bgs., 500-lb. lots, lb. .55 - —
2,6-Di-tert-butyl-p-cresol, food grade, dms., l.t.l., dlvd lb. 1.10 - —
2,6-Di-tert-butyl-p-cresol, feed grade, to pre-mix distributors, dms., c.l., t.l., dlvd lb. .87½- —
dms., l.c.l., same basis lb. .91 - —
2,6-Di-tert-butyl-p-cresol, tech., dms., c.l., t.l., dlvd lb. .81 - —
dms., l.c.l., same basis lb. .85 - —
tanks, same basis lb. .79 - —
Dibutyl fumarate, dms., c.l., t.l., frt, alld lb. .33 - —
dms., l.c.l., l.t.l., frt, alld lb. .34 - —
tanks, frt, alld lb. .30½- —
Dibutyl maleate, dms., c.l., t.l., frt, alld lb. .33 - —
dms., l.c.l., l.t.l., dms, frt, alld lb. .34 - —
tanks, frt, alld lb. .30½- —
Dibutyl phthalate, dms., c.l., dvd. E. lb. .28½- —
dms., l.c.l., same basis lb. .30 - —
tanktrucks, 1,000-1,999 gals., same basis lb. .26½- —
tankcars, tanktrucks, 2,000 gals., same basis lb. .26 - —
Dibutyl sebacate, dms., c.l., works, lb. .67½- —
dms., l.c.l., works lb. .68½- —
tanks, works lb. .65½- —
Dibutyl tartrate, dms., works, frt, alld lb. .65½- —
Dibutylamine, dms., c.l., dlvd lb. .55½- —
dms., l.c.l., same basis lb. .57 - —
tanks, same basis lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd, lb. .28 - —
dms., l.c.l., dlvd lb. .29½- —
tanks, dlvd. lb. .24½- —
Dicapryl sebacate, dms., c.l., works, lb. .63 - —
dms., l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
Dichlorophenoxyacetic acid (see 2,4-D).
2,5-Dichloroaniline, dms., works lb. .83 - —
3,4-Dichloroaniline, tech., solid, tanks, frt. alld lb. .73 - —
o-Dichlorobenzene, dms., c.l., frt, alld. E lb. .12¾- —
dms., l.c.l., same basis lb. .13¾- —
tanks, same basis lb. .11 - —
p-Dichlorobenzene, dms., c.l., f.o.b., works, frt. alld. E lb. .12 - —
dms., 2,000 lbs. or more same basis, lb. .14½- —
1,4,-Dichlorobutane, dms., c.l. or t.l., works lb. .33½- —
dms., l.c.l., or l.t.l., works lb. .34 - —
tanks, works lb. .32 - —
Dichlorodiphenyltrichloroethane (see DDT).
2,2-Dichloroethyl ether, dms., c.l., t.l., dlvd. E lb. .15½- —
dms., l.c.l., l.t.l., same basis lb. .17 - —
tanks, same basis lb. .13 - —
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
dms., l.c.l., works lb. .06 - —
tanks, works lb. .03 - —
Dicyclohexylamine dms., c.l., works, lb. .54 - —
dms., l.c.l. works lb. .55 - —
tanks, works lb. .52 - —
Dicyclohexyl phthalate, gran., fib. dms., c.l., works, frt. alld, lb. .46½- —
fib. dms., l.c.l., same basis lb. .48 - —
Didecyl phthalate, dms., c.l., works, lb. .28½- —
dms., l.c.l., same basis lb. .30 - —
Didecyl phthalate, tanktrucks, 1,000-1,999 gals., same basis lb. .26½- —
tankcars, tanktrucks, 2,000 gals., lb. .26 - —
Dieldrin, dms. dlvd lb. 1.85 - —
dms., l.c.l., dlvd lb. 1.90 - —
Diethanolamine, dms., c.l., dlvd E. lb. .27 - —
dms., l.c.l., same basis lb. .28 - —
tanks, same basis lb. .24½- —
Diethanolamine lauryl sulfate, dms., c.l., frt. alld lb. .27½- —
dms., l.t.l., frt. alld lb. .28½- —
tanks, frt. alld lb. .26½- —
Diethyl barbituric acid (see Barbital).
Diethylbenzene, dms. t.l., frt. alld, lb. .16½- —
dms., l.t.l., same basis lb. .18½- —
Diethyl carbonate, dms., c.l., f.o.b. works lb. .47½- —
dms., l.c.l., same basis lb. .48½- —
tanks, same basis lb. .45 - —
Diethyl ethanolamines, dms., c.l., dlvd lb. .69½- —
dms., l.c.l., dlvd. lb. .71 - —
tanks, dlvd. lb. .67 - —
Diethyl oxalate, dms., c.l., f.o.b. works lb. .42½- —
dms., l.c.l., same basis lb. .43½- —
tanks, same basis lb. .40 - —
Diethyl phthalate, dms., c.l., dlvd, lb. .27½- —
dms., l.c.l., dlvd lb. .29 - —
Diethyl phthalate, tanktrucks, 1,000-1,999 gals., same basis lb. .26½- —
tankcars, tanktrucks, 2,000-lb. lots, same basis lb. .26 - —
Diethyl sulfate, dms., c.l., works lb. .19½- —
dms., l.c.l., works lb. .20¼- —
tanks, works lb. .17½- —
Diethyl toluamide, 90-95% meta isomer, dms., c.l., t.l., works lb. 2.30 - —
5-44 dm lots, works lb. 2.35 - —
1-4 dm lots, works lb. 2.40 - —
Diethylamine, dms., c.l., dlvd. E lb. .52 - —
dms., l.c.l. same basis lb. .53½- —
tanks, same basis lb. .49½- —
N,N-Diethylaniline, dms., c.l., frt, alld lb. .57 - —
dms., l.c.l., same basis lb. .58 - —
tanks, same basis lb. .55 - —
N,N-Diethyl-m-toluidine, tech., liq., tanks, frt. alld lb. .83 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).

AMOCO PANASOL AROMATIC SOLVENTS

Here are eight aromatic solvents Amoco Chemicals offers for paint and insecticide use. You will find in this product line a solvent with the right solvency and evaporation rate to help you make quality formulations competitively priced.

TYPICAL PROPERTIES

PANASOL Solvent No.	RX-3	RX-4	RX-5	RX-21	RX-22	AN-1	AN-2	AN-3
Distillation, °F.								
IBP	276	282	355	316	368	400	420	450
10%	286	285	362	320	375	424	443	466
50%	304	291	374	328	383	444	462	476
90%	335	308	397	341	400	464	484	500
EP	—	—	—	—	—	494	520	534
DP	360	320	415	348	420	—	—	—
Aromatics, Vol. %	76	94	70	98	98	98	99	99
Color, Saybolt	30	30	26	30	26	17	—	—
Color, ASTM	—	—	—	—	—	—	1	1
Gravity, °API, 60°F.	36.4	32.1	32.0	30.6	26.2	13.7	12.0	10.4
Specific Gravity, 60/60°F.	0.843	0.865	0.865	0.873	0.897	0.974	0.986	0.997
Flash TCC, °F.	82	85	137	105	144	—	—	—
Flash COC, °F.	—	—	—	—	—	190	210	225
Mix. A.P., °F.	84	59	93	61	59	55	54	54
K-B Value, T-105	75	93	68	94	96	108	102	98



AMOCO CHEMICALS CORPORATION
910 South Michigan Avenue,
Chicago 80, Illinois

Di-2-ethylhexyl phthalate (see Dioctyl phthalate).			
Diethylene glycol, dms., c.l., dlvd. E	lb.	.17¾-	—
dms., l.c.l., same basis	lb.	.18¾-	—
tanks, same basis	lb.	.15¼-	—
Diethylene glycol diethyl ether, dms., c.l., works	lb.	.51½-	—
dms., l.c.l., works	lb.	.52¼-	—
Diethylene glycol monobutyl ether, c.l., dms., works	lb.	.30¾-	—
dms., l.c.l., works	lb.	.31¾-	—
tanks, dlvd. E	lb.	.28¼-	—
Diethylene glycol monobutyl ether acetate, dms., c.l., works	lb.	.30¾-	—
dms., l.c.l., works	lb.	.31½-	—
tanks, dlvd. E	lb.	.28¾-	—
Diethylene glycol monoethyl ether, dms., c.l., dlvd	lb.	.22½-	—
dms., l.c.l., dlvd	lb.	.23½-	—
tanks, dlvd. E	lb.	.20 -	—
Diethylene glycol monoethyl ether acetate, dms., c.l., works	lb.	.27¼-	—
dms., l.c.l., works	lb.	.28 -	—
tanks, works	lb.	.25¼-	—
Diethylene glycol monomethyl ether, dms., c.l., dlvd	lb.	.21 -	—
dms., l.c.l., dlvd	lb.	.22 -	—
tanks, dlvd. E	lb.	.18½-	—
Diethylenetriamine, dms., c.l., dlvd. E	lb.	.44 -	—
dms., l.c.l., dlvd. E	lb.	.45½-	—
tanks, dlvd. E	lb.	.41½-	—
Diethylstilbestrol, USP, bots., 10-kilo lots	kilo.	100.00	-147.50
bots., 1-kilo lot	kilo.	110.00	-152.50
Digitalis leaves, USP, dom., dms	lb.	1.20 -	—
Digitoxin, USP, bots	gram.	4.75 -	—
Diglycol laurate, dms	lb.	.32¾-	.34
Diglycol stearate, dms., ton lots	lb.	.26 -	.28
Diglycolic acid, bgs., c.l., t.l., works.	lb.	.15½-	—
bgs., l.c.l., works	lb.	.16 -	—
Dihexyl sebacate, dms., c.l., works.	lb.	.66 -	—
dms., l.c.l., works	lb.	.67 -	—
tanks, works	lb.	.64 -	—
Dihydrazine sulfate, dms., works	lb.	1.10 -	1.25
Dihydrostreptomycin hydrochloride, bulk	gram.	.037 -	.038
Dihydrostreptomycin sulfate, bulk, gram	lb.	.037 -	.038
1,2-Dihydroxy anthraquinone, dms., works	lb.	3.45 -	—
2,2-Dihydroxy-5-5-dichloro-diphenyl-methane, pure, dms	lb.	2.55 -	—
tech., dms.	lb.	1.09 -	—
Di-isobutyl ketone, dms., c.l., dlvd.	lb.	.17 -	—
dms., l.c.l., dlvd	lb.	.18½-	—
tanks, dlvd.	lb.	.14½-	—
Di-isobutyl phthalate, dms., c.l., dlvd. E	lb.	.31½-	—
dms., l.c.l., same basis	lb.	.32½-	—
tanks same basis	lb.	.29 -	—
Di-isobutylene, dms., c.l., dlvd. E	lb.	.10 -	—
dms., l.c.l., dlvd. E	lb.	.11½-	—
tanks, dlvd. E	lb.	.08 -	—
Di-iso-octyl phthalate, dms., c.l., dlvd	lb.	.27½-	—
dms., l.c.l., same basis	lb.	.29 -	—
tanktrucks, 1,000-1,999 gals.	lb.	.25½-	—
tankcars, tanktrucks, 2,000 gals.,	lb.	.25 -	—
Di-iso-octyl sebacate, dms., c.l., works.	lb.	.62 -	—
dms., l.c.l., works	lb.	.62½-	.63
tanks, works	lb.	.60 -	—
Di-isopropanolamine, dms., c.l., dlvd.	lb.	.23¼-	—
dms., l.c.l., same basis	lb.	.24¾-	—
tanks, same basis	lb.	.20¾-	—
Di-isopropylamine dms., c.l., dlvd. E of Rockies	lb.	.50½-	—
dms., l.c.l., same basis	lb.	.52 -	—
tanks, same basis	lb.	.48 -	—
Dillweed oil, dom., bots., dms	lb.	3.10 -	4.10
Dimethyl anthranilate, cns.	lb.	4.35 -	—
Dimethyl ethanolamines, anhyd., dms., c.l., dlvd	lb.	1.225 -	—
dms., l.c.l., dlvd.	lb.	1.235 -	—
tanks, dlvd.	lb.	1.20 -	—
70% dms. c.l., dlvd., 100% basis, contained amines	lb.	.68½-	—
dms., l.c.l., dlvd., 100% basis	lb.	.69½-	—
tanks, dlvd., 100% basis	lb.	.66 -	—
Dimethyl hydroquinone, dms.	lb.	1.90 -	2.20
Dimethyl phthalate, dms., c.l., works	lb.	.27½-	—
dms., l.c.l., works	lb.	.29 -	—
tanktrucks, 1,000-1,999 gals., same basis	lb.	.25½-	—
tankcars, tanktrucks, 2,000 gals., same basis	lb.	.25	—
Dimethyl sebacate, dms., c.l., works.	lb.	1.31 -	—
dms., l.c.l., works	lb.	1.30 -	—
tanks, works	lb.	1.28 -	—
Dimethyl sulfate, ret. dms., c.l., works	lb.	.17½-	—
ret. dms., l.c.l., works	lb.	.18½-	—
tanks, works	lb.	.16½-	—
Dimethyl sulfide, dms., c.l., works.	lb.	.16½-	—
dms., l.c.l., works	lb.	.17 -	—
tanks, works	lb.	.15 -	—
Dimethylamine, 25% soln., dms., c.l., frt. equald, 100% basis	lb.	.38 -	—
dms., l.c.l., frt. equald, 100% basis	lb.	.38½-	—
tanks, frt. equald, 100% basis	lb.	.28 -	—
Dimethylamine, 40% soln., dms., c.l., frt. equald, 100% basis	lb.	.35 -	—
dms., l.c.l., frt. equald, 100% basis	lb.	.35½-	—
tanks, frt. equald, 100% basis.	lb.	.28 -	—
N,N-Dimethylaniline, dms., c.l., frt. alld	lb.	.30 -	—
dms., l.c.l., frt. alld.	lb.	.31 -	—
tanks, frt. alld.	lb.	.28 -	—
N,N-Dimethylformamide, dms., works.	lb.	.34 -	.39
tanks, works	lb.	.32 -	—
2,4-Dinitroaniline, dms., frt. alld	lb.	.75 -	—
Dinitroaniline orange toner, CP, bbls., dlvd. E. of Rockies	lb.	1.56 -	—
Dinitroaniline orange toner prices 1c. higher W. of Rockies.			
m-Dinitrobenzene, 85°C., dms.	lb.	.22 -	—
89° C., dms.	lb.	.24 -	—
2,4-Dinitrochlorobenzene, crystallizing at 46½°C., dms., c.l., frt. alld. E	lb.	.15¼-	—
dms., l.c.l., frt. alld. E.	lb.	.15¾-	—
tanks, frt. alld. E.	lb.	.15 -	—
2,4-Dinitrochlorobenzene, crystallizing at 48°C., dms., c.l., frt. alld. E	lb.	.20¼-	—
dms., l.c.l., frt. alld. E.	lb.	.20¾-	—
tanks, frt. alld E.	lb.	.20 -	—
2,4-Dinitrophenol, bbls.	lb.	.37 -	—
2,4-Dinitrotoluene, oily, dms.	lb.	.11 -	—
Refd., 63°C., dms.	lb.	.23 -	—
Dioctyl adipate dms., c.l., works.	lb.	.42½-	—
dms., l.c.l. works	lb.	.43½-	—
tanks, works	lb.	.40 -	—
Dioctyl phthalate, dms., c.l., frt. alld	lb.	.27½-	—
dms., l.c.l., frt. alld	lb.	.29 -	—
Dioctyl phthalate, tanktrucks, 1,000-1,999 gals., same basis	lb.	.25½-	—
tankcars, tanktrucks, 2,000 gals., same basis	lb.	.25	—
Dioctyl sebacate, dms., c.l., works.	lb.	.61¼-	—
dms., l.c.l., works	lb.	.62¼-	—
tanks, works. dlvd.	lb.	.59¼-	—
1,4-Dioxane, dms., c.l., works	lb.	.30 -	—
dms., l.c.l., works	lb.	.30¾-	—
tanks, works	lb.	.28 -	—
Dipentaerythritol, c.l., t.l., dlvd. E.	lb.	.40 -	—
bgs., l.c.l., t.l., dlvd. E	lb.	.41 -	—
Dipentene, dest.-dist., dms., c.l., works	gal.	.59 -	—
dms., l.c.l., works	gal.	.63 -	—
dms., l.c.l., ex whse.	gal.	.79 -	—
tankcars, works	gal.	.42 -	—
Dipentene, steam dist., dms., c.l., works, South	gal.	.72 -	—
dms., l.c.l., dlvd. New York	gal.	.91 -	—
tanks, works, South	gal.	.55 -	—
Dip oil (see Tar acid oil)			
Diphenyl, bgs., c.l., t.l., works	lb.	.17¼-	—
bgs., l.c.l., works	lb.	.19 -	—
tanks, works	lb.	.16 -	—
Diphenyl oxide, perfume grade, cns.	lb.	.65 -	.85
Diphenyl phthalate, dms., c.l., works.	lb.	.51¾-	—
dms., l.c.l., works	lb.	.53¾-	—
Diphenylamine, refd., flake, bgs., c.l., works, frt. equald	lb.	.31 -	—
bgs., l.c.l., same basis	lb.	.33 -	—
Diphenylamine, refd., fused, tanks, same basis	lb.	.28 -	—
Refd. diphenylamine in dms. ½c. per lb. higher.			
Diphenylguanidine, bgs., dms., ton, lots, frt. alld	lb.	.49 -	—
bgs., smaller lots, frt. alld.	lb.	.50 -	—
Diphenylhydantoin-sodium, USP, dms.	lb.	5.00 -	5.60
Dipropylene glycol, dms., c.l., frt. alld	lb.	.17¾-	—
dms., l.c.l., frt. alld.	lb.	.18¾-	—
tanks, frt. alld.	lb.	.15¼-	—
Dipropylene glycol methyl ether, dms., c.l., dlvd. E	lb.	.20 -	—
dms., l.c.l., same basis	lb.	.21 -	—
tanks, same basis	lb.	.18½-	—
Dithiodibenzoic acid, dms., 1,000-lb. lots, works	lb.	1.45 -	—
Di-o-tolylguanidine, dms., ton lots, frt. alld	lb.	.69 -	—
dms., smaller lots, frt. alld.	lb.	.70 -	—
Di-o-tolylthiourea, tech., solid, dms., c.l., t.l., frt. alld	lb.	.55 -	—
Divinylbenzene, 20-25%, dms., c.l., works, frt. equald	lb.	.20 -	—
dms., l.c.l., same basis	lb.	.21 -	—
tanks, same basis	lb.	.19 -	—
50-60%, dms., c.l., works, 100% basis	lb.	1.00 -	—
dms., l.c.l., works, 100% basis	lb.	1.05 -	—
Dodecylbenzene, dms., c.l., f.o.b., works, frt. equald	lb.	.134 -	—
dms., l.c.l., same basis	lb.	.144 -	—
tanks, same basis	lb.	.114 -	—
Dodecylphenol, c.l., frt. alld.	lb.	.22 -	—
dms., l.c.l., same basis	lb.	.23 -	—
tanks, same basis	lb.	.19½-	—
Dodecylphenol prices on shipments to Western States are 2c. per pound higher.			

Dyes, coaltar, certified colors for food, drugs and cosmetics, 500-lb and 1-lb. lots, dlvd:			
Blue, FD&C, No. 1	lb	15.65	-17.60
No. 2	lb	15.65	-17.60
Green, FD&C, No 1	lb	15.65	-17.60
No. 2	lb	19.60	-22.85
No. 3	lb	31.30	-35.90
Red, FD&C, No. 1, cns.	lb	5.90	7.85
No. 2	lb	3.30	4.10
No. 3	lb	19.60	-22.85
No. 4	lb	5.55	7.50
Violet, FD&C, No 1, cns.	lb	15.65	-17.60
Yellow, FD&C, No. 1, cns.	lb	9.15	-11.05
No. 5	lb	3.30	4.10
No. 6	lb	3.30	4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 200 lb. and 1 lb. lots, dlvd:—			
Black, D&C, No. 1	lb	10.50	-10.95
Brown, D&C, No. 1	lb	15.65	-16.10
Green, D&C, No. 5	lb	15.65	-16.10
No. 6	lb	15.65	-16.10
No. 7	lb	14.35	-14.80
Orange, D&C, No. 3	lb	10.50	-10.95
No. 4	lb	19.60	-20.05
No. 5	lb	3.80	4.25
Red, D&C, No 17	lb	10.50	-10.95
No. 18	lb	23.60	-24.00
No. 19	lb	15.00	-15.45
No. 21	lb	3.90	4.35
No. 22	lb	10.50	-10.95
No. 28	lb	24.15	-24.65
No. 33	lb	17.00	-17.45
Violet, D&C, No. 2	lb	15.65	-16.10
Yellow, D&C, No. 7	lb	10.50	-10.95
No. 8	lb	10.50	-10.95
No. 10	lb	13.05	-13.50
No. 11	lb	13.05	-13.50

MONTROSE
CHEMICAL COMPANY

100 LISTER AVENUE
NEWARK NEW JERSEY

Dimethyl Isophthalate

Trimethyl Borate — Trimethoxy Boroxine

T.C.P. — Tricresyl Phosphate

Mono Cresyl Diphenyl Phosphate

D.D.T. — Dichloro Diphenyl Trichloroethane

Ethyl Silicate 28% — 40%

D.D.V.P. — Dimethyl Dichloro Vinyl Phosphate
(Minimum 95% Purity)

D.E.T. — Diethyl Toluamide
(95% Meta Isomer)

EXCLUSIVE SALES AGENTS

R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
1721 TRIBUNE TOWER, CHICAGO, ILLINOIS

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 500-lb. and 1-lb. lots dlvd:—

Blue, Ext., D&C, No. 1, cns	lb.	15.65	-16.10
Green, Ext., D&C, No. 1, cns	lb.	15.65	-16.10
Red, Ext., D&C, No. 1, cns	lb.	13.05	-13.50
Yellow Ext., D&C, No. 1, cns	lb.	10.50	-10.95

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.

11110	Brilliant scarlet BN	lb.	1.70	—
13390	Fast blue SR	lb.	1.30	—
14025	Yellow 2G	lb.	1.18	—
14030	Orange R, extra, conc.	lb.	1.52	—
14645	Chrome black T	lb.	.73	—
14720	Rubine XX, conc.	lb.	1.47	—
15510	Orange Y, extra conc.	lb.	.79	—
15575	Orange RR	lb.	.94	—
15620	Fast Red A, conc.	lb.	1.53	—
15705	Chrome blue black R, conc.	lb.	1.07	—
16150	Scarlet 2RL	lb.	1.16	—
16230	Fast light, orange 2G	lb.	1.29	—
16255	Brilliant scarlet 3RN, conc.	lb.	1.20	—
17590	Brown PG	lb.	3.00	—
17820	Diazo brilliant scarlet ROAD	lb.	3.62	—
18050	Phloxine 2G	lb.	1.05	—
18055	Fuchsine 6B	lb.	1.55	—
18965	Fast Yellow 2G	lb.	2.32	—
19140	Yellow XX	lb.	2.30	—
19555	Yellow NN, conc.	lb.	3.67	—

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype) contract, dlvd. No.

20170	Brown Y	lb.	1.27	—
20470	Blue black, extra, conc.	lb.	1.37	—
21010	Brown, RX, conc.	lb.	1.35	—
22240	Scarlet B	lb.	2.60	—
22310	Red FC	lb.	1.45	—
22311	Brown MCW	lb.	1.40	—
22590	Diazo black BHD	lb.	.93	—
22610	Blue 2B, extra conc.	lb.	1.53	—
22500	Red, 4BX, conc.	lb.	1.69	—
24410	Sky blue FF, extra, conc.	lb.	1.95	—
24895	Brilliant yellow conc.	lb.	3.11	—
26400	Navy blue 3R, conc.	lb.	1.70	—
26695	Black F, conc.	lb.	2.19	—
26900	Milling Red 3R, conc.	lb.	1.91	—
27075	Neutral black 2B, conc.	lb.	2.61	—
27720	Gray L	lb.	2.08	—
29185	Fast scarlet 4BNC	lb.	2.12	—
30015	Diazo black VJ conc.	lb.	2.48	—
30235	Black EB, 200%	lb.	1.33	—
30045	Yellow brown K, extra	lb.	1.26	—
30295	Green BY, conc.	lb.	1.02	—
35660	Brown B	lb.	2.89	—
37565	Naphthol SWF	lb.	1.76	—
40000	Yellow 2G	lb.	1.31	—
41000	Yellow OX	lb.	2.45	—
42000	Green V, crystals	lb.	2.73	—
42040	Brilliant green G crystals	lb.	3.62	—
42090	Blue EG	lb.	1.85	—
42100	Milling green 6B, conc.	lb.	4.78	—
42650	Violet 4BXN	lb.	2.25	—
43820	Brilliant blue BBG	lb.	2.44	—

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.

44045	Blue B, extra conc.	lb.	3.61	—
45170	Red BX	lb.	4.76	—
50415	Nigrosine SSJ	lb.	1.03	—
52015	Blue GXX	lb.	2.22	—
53185	Black, GXCF, conc.	lb.	.38	—
58005	Alizarin red SC	lb.	3.31	—
59700	Golden orange GFD, single paste	lb.	2.58	—
59710	Flaming orange 6RD double powder	lb.	4.70	—
59800	Dark blue BO, single paste	lb.	2.28	—
59825	Jade green NC supra, double paste	lb.	1.55	—
61570	Alizarin green CG extra	lb.	3.53	—
63010	Alizarin blue SAPG	lb.	3.78	—
63615	Alizarin blue black B	lb.	3.02	—
69825	Blue BLFD double paste	lb.	2.82	—
70800	Brown BR single paste	lb.	2.03	—

Dyes, coaltar, oil-soluble, 100-lb. drums dlvd. No.

12140	Oil scarlet BL	lb.	1.70	—
11160	Oil yellow T	lb.	2.79	—
12055	Oil orange 7078-V	lb.	5.87	—
26120	Oil red N-1700	lb.	1.76	—
42535B	Methyl violet base	lb.	1.76	—
44045B	Victoria blue base	lb.	4.06	—
50415B	Oil black 8603	lb.	.80	—
61565	Alizarin cyanine green base.	lb.	6.13	—

Dyes, coaltar, spirit soluble, 100-lb. dms., dlvd. No.

	Spirit black RB	lb.	3.54	—
	Spirit brown GN	lb.	5.30	—
	Spirit orange R conc.	lb.	5.87	—
	Spirit red B conc	lb.	6.41	—
	Spirit yellow 2R conc.	lb.	4.63	—
12055	Spirit orange 7078-V	lb.	1.25	—
	Spirit blue THN	lb.	5.06	—

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121

E

Echinacea root, bls.	lb.	1.10	—
Elm bark, grinding, bls.	lb.	.30	.33
Powd., bbls., bxs.	lb.	.45	—
Select, bundles	lb.	.75	—
Emetine hydrochloride, USP, bots.	oz.	48.40	—
Endrin, tech., dms., t.l., dlvd	lb.	3.35	—
Eosin red toner, bbls., works	lb.	1.85	—
Ephedrine, syn., USP, anhyd., bots. 100-oz. lots	oz.	.98	1.00
hydrous bots. 100-oz. lots	oz.	.92	—
Ephedrine hydrochloride, NF, dms.,	oz.	.60	.65
Ephedrine sulfate, USP, cryst., dms.,	oz.	.60	.80
Powd., dms.	oz.	.60	.80
Epichlorohydrin, dms., c.l., dlvd	lb.	.32½	—
dms., l.c.l., dlvd	lb.	.34	—
tanks, dlvd.	lb.	.30	—
Epsom salt (see Magnesium sulfate).			
1-Epinephrine base, syn., USP, bots., 100 gram lots	gram	.58	—
Erigeron oil, cns.	lb.	11.00	—
Ergot, NF, dms., tin-lined	lb.	1.50	—
Eserine salicylate, bots	oz.	54.75	—
Eserine sulfate, bots	oz.	86.00	—
Ester gum, gum-rosin type, dms., c.l., dlvd., Ill., Md., Ky., E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va.	lb.	.17	—
Ester gum, wood-rosin type, dms., c.l., same basis	lb.	.17	—
Ether (see specific product).			
Ethyl acetate, nat., ferment, 85-88%, dms., c.l., dlvd	lb.	.15	—
dms., l.c.l., dlvd	lb.	.16½	—
tanks, dlvd.	lb.	.12½	—
95-98%, dms., c.l., dlvd	lb.	.15¼	—
dms., c.l., dlvd	lb.	.15¼	—
dms., l.c.l., dlvd	lb.	.16¾	—
tanks, dlvd.	lb.	.12¾	—
99%, dms., c.l., dlvd.	lb.	.15½	—
dms., l.c.l., dlvd	lb.	.17	—
tanks, dlvd.	lb.	.13	—
Syn., 85-88%, dms., c.l., dlvd	lb.	.15	—
dms., l.c.l., dlvd	lb.	.16½	—
tanks, dlvd.	lb.	.12½	—
95-98%, dms., c.l., dlvd	lb.	.15¼	—
dms., l.c.l., dlvd	lb.	.16¾	—
tanks, dlvd.	lb.	.12¾	—
99%, dms., c.l., dlvd.	lb.	.15½	—
dms., l.c.l., dlvd	lb.	.17	—
tanks, dlvd.	lb.	.13	—
Ethyl acetoacetate, dms., c.l., dlvd.	lb.	.58½	—
dms., l.c.l., dlvd.	lb.	.60	—
tanks, dlvd.	lb.	.56	—
Ethyl acrylate, dms., c.l., t.l., dlvd.	lb.	.36	—
dms., l.t.l., dlvd.	lb.	.37	—
tanks, dlvd.	lb.	.34	—
Ethyl alcohol, 190 pf., USP, tax paid dms., c.l., dlvd. E. of Rockies	gal.	20.63	—
dms., l.c.l., same basis	gal.	20.80	-20.74
Ethyl alcohol, 190 pf., USP, tax-free, dms., c.l., dlvd. E. of Rockies	gal.	.68	—
dms., l.c.l., same basis	gal.	.73	.79
tanks, same basis	gal.	.52	—
Ethyl alcohol, absolute, 200 pf., tax paid, dms., dlvd. E. of Rockies	gal.	21.75	—
dms., l.c.l., same basis	gal.	21.80	-21.86
tanks, same basis	gal.	21.59	—
Ethyl alcohol, denatured (see Denatured alcohol, ethyl).			
Ethyl aminobenzoate, USP (see Benzocaine).			
Ethyl amyl ketone, dms., c.l., dlvd.	lb.	.20	—
dms., l.c.l., same basis	lb.	.21½	—
tanks, same basis	lb.	.17½	—
Ethyl benzoate, bots.	lb.	.90	—
Ethyl bromide, tech., 98%, dms., c.l., frt. alld. E	lb.	.43	—
dms., l.c.l., frt. alld. E	lb.	.45	—
tanks, frt. alld. E.	lb.	.41	—
2-Ethyl butyl alcohol, dms., c.l., works	lb.	.30	—
dms., l.c.l., works	lb.	.30¾	—
tanks, works	lb.	.28	—
Ethyl butyl ketone, dms., c.l., t.l., works	lb.	.36	—
dms., l.c.l., l.t.l., works	lb.	.36¾	—
tanks, works	lb.	.34	—
Ethyl butyrate, works	lb.	.90	1.00
Ethyl carbamate (see Urethane).			
Ethyl cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, frt. alld. E	lb.	.73	—
bgs., smaller lots, frt. alld. E.	lb.	.75	—
Ethyl cellulose, vis. 10, 20, 50, 100, 150 cps., bgs., 5,000-lb. lots or more, frt. alld. E.	lb.	.68	—
bgs., smaller lots, frt. alld. E.	lb.	.70	—
Ethyl chloride, tech., cyls., works.	lb.	.20	.22
dms., works	lb.	.18	.20
tanks, works	lb.	.10	—
Ethyl cinnamate, cns.	lb.	3.35	3.50
Ethyl ethanolamines, mixed, dms., c.l., dlvd. E	lb.	.43½	—
dms., l.c.l., dlvd. E	lb.	.44½	—
tanks, dlvd. E.	lb.	.41½	—
Ethyl ether, absolute, ACS, dms.	lb.	.27	—
Ethyl ether, anesthesia, USP, dealers, 1-lb. cns.	lb.	1.01	—
½-lb. cns.	lb.	1.09	—
¼-lb. cns.	lb.	1.21	—
Ethyl ether, indust., dms., c.l., dlvd.	lb.	.13½	—
dms., l.c.l., dlvd E	lb.	.15	—
tanks, dlvd. E.	lb.	.11	—
2-Ethyl hexoic acid, dms., c.l., t.l., dlvd. E	lb.	.37	—
dms., l.c.l., l.t.l., dlvd. E.	lb.	.38½	—
tanks, dlvd. E	lb.	34½	—
2-Ethyl hexoic acid, 1c. higher W. of Rockies.			
2-Ethylhexyl acrylate, c.l. or t.l., straight or mixed frt. alld. E.	lb.	.42½	—
dms., l.t.l., same basis	lb.	.43½	—
tanks, same basis	lb.	.40	—
Prices of 2-ethylhexyl acrylate are 1½c. per lb. higher in Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.			
2-Ethylhexyl alcohol, dms. c.l., dlvd.	lb.	.23¾	—
dms., l.c.l., dlvd.	lb.	.25¼	—
tanks, dlvd.	lb.	.21¼	—
Ethyl iodide, cbys., works	lb.	3.30	—
Ethyl methacrylate, dms., c.l., frt. equald.	lb.	.52	—
dms., l.t.l. frt. equald.	lb.	.52½	—
tanks, frt. equald.	lb.	.50	—
Ethyl morphine hydrochloride, USP, bots	oz.	11.85	—
Ethyl oenanthate, dms.	lb.	1.20	1.50
Ethyl oxalate (see Diethyl oxalate).			
Ethyl silicate, dist. (see Tetraethyl orthosilicate).			

Ethyl silicate, 40% available SiO, dms., c.l., divd	lb.	.44½	—
dms., l.c.l., divd.	lb.	.46	—
tanks, divd.	lb.	.42	—
N-Ethyl-a-naphthylamine, dms., works.	lb.	1.02	—
N-Ethyl-m-toluidine, tech., liq., tanks, frt. alld	lb.	.83	—
N-Ethyl-o-toluidide, bbls.	lb.	.88	—
Ethylamine (see Mono-, Di-, or Tri-).			
N-Ethylaniline, dms., c.l., frt. alld.	lb.	.57	—
dms., l.c.l., frt. alld.	lb.	.58	—
tanks, frt. alld.	lb.	.55	—
Ethylbenzene, 99%, dms., c.l. or t.l., frt. equald	lb.	.15	—
dms., l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.12½	—
2-Ethylbutyl alcohol, dms., c.l., works	lb.	.30	—
dms., l.c.l., works	lb.	.30¾	—
Ethylene, contract, ref'y. gate	lb.	.0475	.0525
Ethylene dibromide, dms., c.l., frt. equald	lb.	.30½	—
dms., l.c.l. frt. equald.	lb.	.31½	—
tanks, frt. equald	lb.	.28½	—
Ethylene dichloride, dms., c.l., divd.	lb.	.11½	—
dms., l.c.l., same basis	lb.	.13	—
tanks, same basis	lb.	.09	—
Ethylene dichloride prices W. of Rockies, 1c. per lb. higher.			
Ethylene glycol, indust., dms., c.l., divd. E	lb.	.16	—
dms., l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.13½	—
Ethylene glycol monobutyl ether, dms., c.l., divd. E	lb.	.22	—
dms., l.c.l., divd. E.	lb.	.23	—
tanks, divd E.	lb.	.19½	—
Ethylene glycol monoethyl ether, dms., c.l., divd. E	lb.	.21	—
dms., l.c.l., divd. E.	lb.	.22	—
tanks, divd. E.	lb.	.18½	—
Ethylene glycol monoethyl ether acetate, dms., c.l., divd. E	lb.	.19½	—
dms., l.c.l., divd. E.	lb.	.20½	—
tanks, divd., E.	lb.	.17	—
Ethylene glycol monomethyl ether, dms., c.l., divd. E	lb.	.21	—
dms., l.c.l., divd. E.	lb.	.22	—
tanks, divd., E.	lb.	.18½	—
Ethylene glycol monomethyl ether acetate, dms., c.l., divd. E	lb.	.29	—
dms., l.c.l., divd. E.	lb.	.29¾	—
tanks, divd. E.	lb.	.27	—
Ethylene glycol monostearate, triple pressed, dms	lb.	.33	.35
Ethylene oxide, dms. c.l., divd. E.	lb.	.21½	—
dms., l.c.l., divd. E.	lb.	.24½	—
tanks, divd. E.	lb.	.15½	—
Ethylene trichloride (see Trichloroethylene)			
Ethylenediamine, 85-88%, dms., c.l., divd. E., 100% basis	lb.	.42	—
dms., l.c.l., divd. E., 100% basis.	lb.	.43	—
tanks, divd. E., 100% basis	lb.	.40	—
Ethylvanillin, 100-lb. fib. dms., 500-lb. lots and over	lb.	6.75	—
Eucalyptol, USP, cns., dms.	lb.	.90	1.40
Eucalyptus oil, NF, rectified, 70-75%, dms	lb.	.51	—
NF, rectified, 80-85%, dms.	lb.	.57	.95
Eugenol, USP, dms	lb.	2.40	3.00
Tech., dms.	lb.	1.45	—
Euphorbia herb, bls	lb.	.12	.15

F

F salt, paste, tech., dms., works	lb.	2.30	—
Feldspar, 140-200 mesh, bulk, c.l., works	ton.	19.50	—
Feldspar in bags $3 per ton. higher			
Fennel oil, sweet, USP, cns	lb.	3.10	—
Fennel seed, Argentine, bgs	lb.	.14	—
French, light, bgs	lb.	.20	—
Indian, light, bgs.	lb.	.21	—
Rumanian, bgs.	lb.	.14	—
Yugoslav, light, bgs	lb.	.18	—
Fenugreek seed, Moroccan, bgs	lb.	.07½	—
Ferric chloride, anhyd., tech., dms., c.l., works	100 lbs.	7.50	—
dms. l.c.l., works	100 lbs.	8.50	—
Indust., cryst., bbls., c.l., works.	100 lbs.	5.25	6.75
bbls., l.c.l., works	100 lbs.	5.75	7.25
Ferric chloride, 42°Be., photo grade, cbys., c.l., works	100 lbs.	7.25	8.25
sewage grade, tanks, frt. equald, 100% basis	100 lbs.	4.00	—
USP, cryst., dms., works	lb.	.07½	.09
Ferric citrate, gran., dms.	lb.	.86	—
Ferric hypophosphite, NF, dms	lb.	3.45	—
Ferric naphthenate, liq., 6% Fe, dms., frt. alld	lb.	.23¼	—
Ferric oxalate, tech., gran., 50-lb. dm., f.o.b. works E	lb.	.89	—
Ferric oxides (see iron oxides).			
Ferric phosphate, NF, soluble, gran. pearls, cs	lb.	.72	.75
Ferric pyrophosphate, NF VII, soluble, gran., pearls, dms.	lb.	.79	—
Ferric resinate, 6¾% Fe., dms., ton lots, frt. alld	lb.	.36½	—
Ferric stearate, dms., c.l., frt. alld.	lb.	.39	—
dms., l.c.l., frt. alld.	lb.	.40	.44
Ferric sulfate, partly hydrated, bgs., c.l. works	ton.	35.25	—
bgs., l.c.l., works	ton.	36.25	42.25
bulk, c.l., works	ton.	33.25	—
Ferric-ammonium citrate, brown, pearls, NF, gran., dms	lb.	.65	.68
Green, pearls, USP XII, gran., dms	lb.	.66	.69
Ferric-ammonium oxalate, fine gran., dms	lb.	.27½	.29½
Ferric-potassium oxalate, fine gran., dms	lb.	.32½	.34½
Ferric-sodium oxalate, fine gran., dms	lb.	.27½	.29½
Ferrous gluconate, USP, 200-lb. dm., frt. equald	lb.	.96	—
Ferrous sulfate, gran., bgs., c.l., works	ton.	34.50	—
bgs., l.c.l., divd. Metropolitan area, 100 lbs.		3.35	4.25
bbls., c.l., works	ton.	40.00	—
bulk, c.l., works	ton.	27.00	—
USP, cryst., bbls., dms.	lb.	.09½	.10
Fir balsam, Canada, bbls.	gal.	32.00	35.00
Oregon, bbls.	gal.	3.75	4.00
Fir oil, Canada, cns.	lb.	2.85	4.00
Fish oil, refd., alkali, dms	lb.	.1250	.1300
Kettle-bodied, dms	lb.	.1480	.1530
Light-pressed, dms	lb.	.1100	.1150
tanks	lb.	.0950	—
Fishliver oil, high potency, 100,000 A units per gram, dms, 1,000,000 units.		.16	—
200,000 A units per gram., dms, 1,000,000 units.		.17½	—
500,000 A units per gram., dms., 1,000,000 units.		.18	—
Fishmeal, dom., menhaden, 60% protein, grd., bgs., Atlantic coast	ton.	150.00	—
Fishscrap, dom., menhaden, dried, 60% protein, grd., bgs., Atlantic coast	ton.	146.00	Nom.
Fleaseed (see Psyllium seed).			
Folic acid, USP, bots., fib. dms., kilo or more gram.		.44	—
10% feed grade, fib. dms., 3 kilos or more	kilo.	44.00	—
Formaldehyde, 37%, (inhibited 7 to 8% methanol), USP, dms., c.l., divd	lb.	.0645	—
tanks, divd.	lb.	.0380	—
Formaldehyde, 37%, (inhibited, 12 to 15% methanol), USP, dms., c.l., divd	lb.	.0670	—
tanks, divd.	lb.	.0405	—
Formaldehyde, methanol-free (uninhibited), tanks, divd	lb.	.0350	—
Formic acid, 85%, cbys., c.l., works.	lb.	.1570	—
cbys., l.c.l., works	lb.	.1620	.1720
90%, cbys., c.l., works	lb.	.1625	—
cbys., l.c.l., works	lb.	.1675	.1775
Fringetree bark, bls	lb.	.70	—
Fuller's earth, bgs., c.l., Ill. mines,	ton.	19.00	—
Fuller's earth, calcined, bgs., c.l., same basis	ton.	20.00	21.75
Insecticide grade, dried, powd., bgs., c.l., Ga. or Fla., mines	ton.	17.50	—
Oil-bleaching grade, 100-mesh, bgs., c.l., same basis	ton.	16.30	17.00
200-mesh, bgs., c.l., same basis.	ton.	17.50	18.00
Spent, bgs., c.l., ship't. point	ton.	4.50	5.00
Fumaric acid, tech., 250-lb. dm., c.l., frt. alld	lb.	.27¼	—
dms., l.c.l., same basis	lb.	.28¼	—
Prices of fumaric acid 1½c. per lb. higher west of Denver.			
Furfural, dms., c.l., works	lb.	.13	—
dms., l.c.l., works	lb.	.14	—
tanks, divd. E.	lb.	.12	—
tanks, divd. W.	lb.	.13	—
Furfuryl alcohol, cns., works	lb.	.29	—
dms., l.c.l., Memphis, Tenn.	lb.	.21	—
tanks, Memphis, Tenn.	lb.	.184	—
Furfuryl alcohol, dms., c.l., Newark, N. J.	lb.	.21½	—
dms., l.c.l., Newark, N. J.	lb.	.22½	—
Fusel oil, refd., dms., c.l., divd	lb.	.18	—
dms., l.c.l., divd	lb.	.19½	—
tanks, divd.	lb.	.15½	—

G

G salt, bbls., frt. alld., 100% basis	lb.	.73	—
Gallic acid, NF VII, bbls., 1,000-lb. lots	lb.	2.00	—
bbls., smaller lots	lb.	2.02	2.22
Gallic acid, tech., bbls., 1,000-lb. lots	lb.	1.78	—
bbls., smaller lots	lb.	1.80	2.00
Gamma acid, dry grd., bbls., frt. alld	lb.	1.75	—
Paste, bbls., frt. alld	lb.	1.70	—
Gammapicoline (see g-picoline).			
Garlic oil, dom., bots.	oz.	4.75	6.05
Imp., bots.	oz.	4.50	5.00
Gaultheria oil (see Wintergreen oil).			
Gelatin, edible, pure pork skin), 75 AOAC test, bbls., c.l.	lb.	.53	—
150 AOAC test, bbls., c.l.	lb.	.62	—
200 AOAC test, bbls., c.l.	lb.	.68	—
225 AOAC test, bbls., c.l.	lb.	.70	—
275 AOAC test, bbls., c.l.	lb.	.78	—
Gelsemium root, bls.	lb.	.26	—
Gentian root, bls.	lb.	.24	—
Grd., bbls., bxs.	lb.	.30	—
Powd., bbls., bxs	lb.	.30	—
Geraniol, extra, cns., dms	lb.	1.90	3.00
Standard, cns., dms.	lb.	2.00	3.40
Soap grade, dms.	lb.	1.10	1.75
Geranium oil, Algerian, cns	lb.	19.50	—
Bourbon, cns.	lb.	20.50	22.00
Geranium oil, Turkish (see Palmarosa oil).			
Geranyl acetate, cns.	lb	2.00	2.70
Ginger oil, dist., bots	lb.	10.50	14.00
Ginger oleoresin, NF, from African root, bots	lb.	5.00	5.60
NF, from Jamaican root, bots.	lb	8.75	10.25
Ginger root, Cochin, bgs.	lb.	.17	—
Jamaican, No. 3, bgs	lb.	.32	—
Nigerian, split, bgs	lb.	.13	—
Sierra Leone, bgs	lb.	.19	—
Glauber's salt (see Sodium sulfate).			
Gluconic acid, tech., 50%, dms., c.l., t.l., frt. alld	lb.	.18	—
dms. l.c.l., frt. alld.	lb.	.20½	—
tanks, frt. alld.	lb.	.13½	—
Glue, bone, extracted, dry bone, 86 jellygrams, bgs. c.l., divd.	lb.	.15	—
131 jellygrams, bgs., c.l., same basis	lb.	.17	—
164 jellygrams, ogs., c.l., same basis	lb.	.17½	—
191 jellygrams, bgs., c.l., same basis	lb.	.19	—
222 jellygrams, bgs., c.l., same basis	lb.	.22	—
40 jellygrams, bgs., c.l., same basis	lb.	.16	—
63 jellygrams, bgs., c.l., same basis	lb.	.16	—
88 jellygrams, bgs., c.l., same basis	lb.	.16	—

GLAD TO BE ABLE TO HELP...

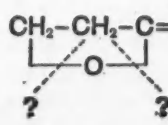
Celanese presents industry with BPL*—chemical with a wide-open future

Such is the versatility . . . and potential . . . of Celanese BPL (beta-Propiolactone) that the scope of its use must be broad indeed. BPL itself can be useful within a wide range of applications. In addition, its rapid reactivity with a large group of other chemicals makes it the starting point for synthesis of many new materials useful to science and industry.

BPL is now being evaluated for use in the textile and leather industries . . . as a component in the processing of plastics, paints, dyestuffs and synthetic fibers . . . in starches and adhesives . . . in medical and hospital applications . . . in agricultural and food technology . . . in nucleonics and astronautics.

Among the multitude of uses yet to be developed, tested, and produced, may be one in which you're interested. As always, we'll be more than happy to help you, if we can.

For further information on Celanese BPL, and/or evaluation samples, just write on your letterhead. Celanese® BPL™



* BPL's unique chemical structure gives it "difunctionality"—the ability to react with other chemicals, in two different directions, to produce various important derivatives.

Basic reasons.....

Acids	Functional Fluids	Polyols
Alcohols	Gasoline Additives	Plasticizers
Aldehydes	Glycols	Salts
Anhydrides	Ketones	Solvents
Esters	Oxides	Vinyl Monomers

Celanese CHEMICALS

.....for improved products

Agricultural	Paper
Automotive	Pharmaceutical
Aviation	Plastics
Building	Surface Coatings
Electrical	Textiles

CELANESE CORPORATION OF AMERICA, CHEMICAL DIVISION, DEPT. 656-E, 180 MADISON AVE., NEW YORK 16

Export Sales: Amcel Co., Inc., and Pan Amcel Co., Inc., 180 Madison Ave., N. Y. 16. Canadian Affiliate: Canadian Chemical Company Limited, Montreal, Toronto, Vancouver

Glue, bone, 115 jellygrams, bgs., c.l., same basis lb. .16½ - —
135 jellygrams, bgs., c.l., same basis lb. .17½ - —
164 jellygrams, bgs., c.l., same basis lb. .18½ - —
180 jellygrams, bgs., c.l., same basis lb. .19½ - —
200 jellygrams, bgs., c.l., same basis lb. .20½ - —
Bone glue, l.c.l., prices 2c. higher.
Glue hide 70-94 jellygrams, bgs., c.l., dlvd lb. .16 - —
95-121 bgs. c.l., dlvd lb. .17 - —
122-149 bgs., c.l., dlvd .... lb. .18½ - —
150-177 bgs., c.l., dlvd .... lb .21 - —
178-206 bgs., c.l., dlvd .... lb .23½ - —
207-236 bgs., c.l. dlvd .... lb. 26 - —
237-266 bgs., c.l., dlvd .... lb. 28 - —
267-298 bgs., c.l. dlvd .... lb .30 - —
299-330 bgs. c.l., dlvd .... lb 32 - —
331-362 bgs., c.l., dlvd .... lb. 34 - —
353-394 bgs., c.l., dlvd .... lb .36 - —
395-427 bgs., c.l., dlvd .... lb. 38 - —
428-460 bgs., c.l., dlvd .... lb. 40 - —
461-494 bgs., c.l., dlvd .... lb. 42 - —
495-529 bgs., c.l., dlvd .... lb. 44 - —
Hide glue, l.c.l., prices 2c higher.
l-Glutamic acid, 99½%, fib dms., 100-lb lots, frt alld lb 1.80 - —
fib dms., 25-lb. lots, frt. alld. lb 1.85 - —
l-Glutamine, bots., 1-9 kilo lots, gram. .15 - .27

Glycerine, dom., nat., crude, saponification, 88%, tanks dlvd E. lb. .19½ - —
nat., crude, soaplye, 80%, tanks, dlvd. E lb. .18 - —
Imp., nat., crude, soaplye, 80%, c.i.f lb. .17 Nom.
Glycerine, nat., refd., USP CP, 99%, dms., c.l., dlvd lb. .29⅜ - —
dms., l.c.l., dlvd ..... lb. .29⅞ - —
tanks, dlvd. ..... lb. .27⅜ - —
USP, 96%, dms., c.l., dlvd lb. .28½ - —
dms., l.c.l., dlvd ..... lb. .29 - —
tanks, dlvd. ..... lb. .26¾ - —
high gravity, dms., c.l., dlvd lb. .29¼ - —
dms., l.c.l., dlvd. ..... lb. .29¾ - —
tanks, dlvd. ..... lb. .27½ - —
Syn., dms., c.l., dlvd. ..... lb. .29½ - —
dms., l.c.l., dlvd. ..... lb. .30 - —
tanks, dlvd. ..... lb. .27¾ - —
Glycine (see Aminoacetic acid)
Glycerol (see Glycerine).
Glycolic acid (see Hydroxyacetic acid).
Glyoxal, 30%, dms., c.l., works lb 20½ - —
dms., l.c.l works ..... lb. 21¼ - —
tanks, works ..... lb. 18 - —
Golden seal root, NF, tested, bls lb. 2.50 - 2.75
Gramicidin, 1 to 5 kilos, f.o.b. works, gram. 4.70 - —
Grapefruit oil, dms. ..... lb. 2.00 - 2.75
Graphite, amorp, powd., bgs., fib. dms., ex whse lb. .06 - .09½
cryst., 88-90%, powd., bgs., fib. dms. ex whse lb. .19 - .21½
Graphite, amorph., cryst., 90-92%, ex whse. lb. .21 - .24½
powd., bgs., fib. dms., ex whse lb. .29 - .31½
Flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Flake, No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, white, choice all hog, tanks, dlvd. lb. .07½ - —
Yellow, tanks, dlvd ..... lb. .06¾ - —
Grease oil, No. 1, dms., c.l. ..... lb. .15¾ - —
dms., l.c.l. ..... lb. .16¾ - .18¾
extra winter, strained, dms., c.l. lb. .18¼ - —
dms., l.c.l. ..... lb. .19¼ - .21¼
prime, burning, dms., c.l. ..... lb. .19¾ - —
dms., l.c.l. ..... lb. .20¾ - .22¾

Green Pigments

Green pigment quotations are listed individually. For example, prices on Green, chrome, may be found in the C's under Chrome green.

Grindelia robusta herb, bls .... lb. .45 - —
Guaiacol, NF, cryst., dms., tips. lb. 2.10 - 2.15
NF, liq., cbys., dms. ..... lb. 2.30 - 2.40
Guaiacol carbonate NF VII, dms. lb. 3.40 - 3.45
Guaiacwood oil, cns ..... lb. .75 - 1.30
Guar gum, food grade, bgs., c.l. lb. .38 - .44
bgs., 5,000 lbs. or more ..... lb. .39 - .44
Indust., bgs., c.l. ..... lb. .32 - —
Tech. grade, bgs. ..... lb. .30 - .33

Gums

Gum quotations are listed individually. For example, prices on Gum, Dammar, may be found in the D's under Dammar gum.

Gypsum, plaster of Paris, 100-lb. paper bgs., trucks, dlvd. New York ton. 20.30 - —
Terra alba, dom., 100-lb. paper bgs., trucks, same basis ton. 20.00 - —
100-lb. paper bgs., trucks, works, New York ton. 17.00 - —
l.c., imp., English, 100-lb. paper bgs., ex dock, New York. ton. 55.00 - —
100-lb paper bgs., ex whse. ton. 60.00 - 62.00

H

H acid, dry, bbls., c.l., frt. alld., 100% basis lb. .90 - —
bbls., l.c.l., same basis lb. .95 - —
Hansa yellow, 10 G, bbls., dlvd. E. of Rockies lb. 2.45 - —
Hansa G yellow, pigment, bbls lb. 2.20 - —
Hawthorn berries, bgs. ..... lb. .18 - .20
Heliotropin, 100-lb. lots, dms. ... lb. 2.50 - 3.00
Hellebore root, dom., green, bls lb. .70 - .75
Helonias root, bls ..... lb. 1.50 - —
Hemlock oil, cns ..... lb. 2.70 - 3.55
Henbane leaves, bls. ..... lb. .30 - .35
Heptachlor, dms., c.l., t.l., 100% basis, frt. alld. lb. .96 - —
Heptane, indust., tanks, Bayonne, N. J gal. .20 - —
tanks, Baytown, Tex. ..... gal. .16¼ - —
tanks, Borger, Tex. ..... gal. .16¼ - —
tanks, Houston, Tex. ..... gal. .16¼ - —
Hesperidin, purif., 100-lb. fib. dms., f.o.b., works lb. 8.95 - —
Hesperidin methylchalcone, bots., 50-lb. lots, works lb. 22.50 - —
bots., 5-lb. lots, works ..... lb. 23.00 - —
bots., 1-lb lots, works ..... lb. 23.50 - —
Hexachlorophene, dms ..... lb. 1.94 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or New York lb. .233 - —
bgs., 1,000-19,999-lb. lots, same basis lb. .243 - —
bgs., smaller lots, same basis lb. .253 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .250 - —
fib. dms., smaller lots, same basis lb. .253 - —
USP, bgs., 500 lbs. or more, f.o.b. Fords, N. J., dlvd. New York and Philadelphia lb. .42½ - —
bgs., smaller lots, same basis lb. .43½ - .48½
Hexane, indust., tanks, Bayonne, N. J gal. .20 - —
tanks, Borger, Tex., dlvd. gal. .16 - —
tanks, Houston, Tex. ..... gal. .16 - —
1-Hexanol, dms., c.l., works ..... lb. .35 - —
dms., l.c.l. works ..... lb. .35¾ - —
tanks, works ..... lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.00 - 7.50
n-Hexyl methacrylate, dms., c.l., works lb. .75½ - —
dms., l.c.l., works ..... lb. .76 - —
Hexyl salicylate, dms. ..... lb. 1.75 - —
Hexylene glycol, dms., c.l., dlvd lb. .17½ - —
dms., l.c.l., dlvd ..... lb. .19 - —
tanks, dlvd. ..... lb. .15 - —
Hexylresorcinol, USP dms., 25-lb. lots or more, dlvd lb. 14.00 - —
dms., smaller lots dlvd. lb. 14.50 - —
Homatropine hydrobromide, USP, bots oz. 3.50 - —
Homatropine methylbromide, USP, bots. oz. 3.25 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 6.75 - —
Horehound herb, bls ..... lb. .16 - .19
Hydrastis (see Goldenseal)
Hydrazine hydrate, 85% ret. dms., works lb. 1.35 - 1.55
100%, ret. dms., works ..... lb. 1.60 - 1.90
Hydriodic acid, 1.50 s.g., cbys. lb. 2.92 - —
1.70 s.g. cbys. ..... lb. 3.23 - —
Hydroabietyl alcohol, tech., solid, dms., c.l., dlvd. zone 1 lb. .29¼ - —
dms., l.c.l., dlvd. zone 1 lb. .29¾ - .30¼
tanks, dlvd. zone 1 .... lb. .27¼ - —
Zone 1 for hydroabietyl alcohol comprises all of continental US except Ariz., Calif., Colo., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo., and the western part of Texas.
Hydrobromic acid, medicinal, 48%, cbys., frt. equald lb. .48 - .58
Hydrochloric acid, anhyd. (see Hydrogen chloride)
Hydrochloric acid, 18°, cbys., c.l., works 100 lbs. 2.50 - —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs. 2.90 - 3.03
tanks, works, frt. equald ton. 28.00 - —
20°, cbys., c.l., works .... 100 lbs. 2.75 - —
cbys., l.c.l., dlvd. Metropolitan area 100-lbs. 3.15 - —
tanks, works frt. equald ton. 30.00 - —
22°, cbys., c.l., works .... 100 lbs. 3.25 - —
cbys., l.c.l., dlvd. Metropolitan area 100 lbs. 3.65 - —
tanks, works frt. equald ton. 35.00 - —
Hydrochloric acid, CP, USP, consumers cbys. extra c.l. works lb. .15¾ - —
cbys., l.c.l., same basis lb. .17¼ - .17¾
Hydrochloric acid, 5-pint bots., extra cs., c.l., same basis lb. .20¾ - —
Hydrocortisone acetate, bulk, bots., kilo lots or more gram. 1.60 - 1.80
Hydrocortisone alcohol, bulk, bots., kilo lots or more gram. 1.60 - 1.80
Hydrocyanic acid, dilute, NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric acid, anhyd. (see Hydrogen fluoride)
Hydrofluoric acid, aqueous, 70%, 55-gal. dms., c.l., t.l., dlvd. 100 lbs. 19.25 - —
55-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs. 20.75 - —
20-gal. dms., c.l., t.l., dlvd. 100 lbs. 21.00 - —
20-gal. dms., l.c.l., l.t.l., dlvd. 100 lbs. 22.50 - —
Hydrofluoric acid, aqueous, 70%, tanks, works, frt. equald. 100 lbs. 18.50 - —
Delivered prices apply to all states east of Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Washington and Wyoming. In those states add $2.70 per cwt. for drum delivery.
Hydrofluosilicic acid, dms., works, 30% basis lb. .06 - —
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
50-lb. cyls., l.c.l., works ..... lb. .55 - .60
Hydrogen chloride, anhyd., 50-lb. cyls., l.c.l., works lb. .45 - —
Hydrogen cyanide, liq., 96%, tanks, works lb. .16 - —

ISOBUTYL ACETATE SAVED LACQUER MANUFACTURERS OVER $41,200 IN THIS AREA LAST YEAR

How much can you save with this economical solvent?

A switch from n-butyl acetate to Eastman Isobutyl Acetate saves you 14¢ on every gallon, or more than $1,100 on an 8,000 gallon tank car.

A medium-boiling solvent, Isobutyl Acetate can be used interchangeably with butyl acetate in most formulations. Its substitution in nitrocellulose lacquers produces virtually no change in film properties or handling characteristics.

Replaces methyl isobutyl ketone

Substituting Isobutyl Acetate for MIBK means a saving of 5¢ per gallon ($400 per tank car) and helps you obtain better blush resistance.

Eliminates solvent blends

Using Isobutyl Acetate alone, the cost per gallon will in all likelihood be less than that of any usable combination of butyl acetate with sec-butyl acetate or propyl acetate. In addition, you free a storage tank for other purposes.

Your Eastman representative will be glad to show you how you can reduce your solvent costs with Isobutyl Acetate. Write to our nearest sales office or to EASTMAN CHEMICAL PRODUCTS, INC., Chemicals Division, KINGSPORT, TENNESSEE.

Eastman
CHEMICAL PRODUCTS, INC.
KINGSPORT, TENNESSEE
subsidiary of Eastman Kodak Company

SALES OFFICES: Eastman Chemical Products, Inc., Kingsport, Tenn.; Atlanta, Ga.; Chicago; Cincinnati; Cleveland; Framingham, Mass.; Greensboro, N.C.; Houston; New York City; St. Louis. **West Coast: Wilson Meyer Co.,** San Francisco; Denver; Los Angeles; Phoenix; Portland; Salt Lake City; Seattle.

Hydrogen fluoride, anhyd., cyls., dlvd. E lb. .30½- .32½
cyls. dlvd. W. lb. .39 - —
tanks, works lb. .21 - —
Hydrogen peroxide 35%, dms., c.l., dlvd lb. .202 - —
dms., l.c.l., dlvd. lb. .211 - —
tanks, dlvd. lb. .1800- —
Hydroquinone, photo grade, dms. lb. 1.10 - 1.13
Tech., dms., c.l., dlvd. lb. .82½- —
dms., l.c.l., dlvd. lb. .84½- —
Hydroxyacetic acid, tech., 70%, dms., Philadelphia and Chicago lb. .11 - —
tanks, Belle, W. Va. lb. .073 - —
Hydroxycitronellal, cns. lb. 4.00 - 4.80
Hydroxyethyl cellulose, low viscosity grades, 20,000-lb. lots or more, f.o.b. shipping point lb. .96 - —
2,000 to 19,999-lb. lots, same basis lb. .99 - —
150 to 1,999-lb. lots, same basis, lb. 1.02 - —
Less than 150-lb. lots, same basis lb. 1.12 - —
Hydroxyethyl cellulose, high viscosity grades, 20,000-lb. lots or more, more, f.o.b. shipping point lb. 1.01 - —
2,000 to 19,999-lb. lots, same basis lb. 1.04 - —
Hydroxyethyl cellulose, 85 to 1,999-lb. lots, same basis lb. 1.07 - —
Less than 85-lb lots, same basis.
Hyoscine salts (see Scopolamine)
lb. 1.17 - —
Hyoscyamine hydrobromide, bots oz. 7.00 - —
Hyoscyamine sulfate, bots. oz. 7.00 - —
Hypophosphorous acid, purif. 50% cbys., ton lots, f.o.b. works lb. .85 - —
NF, 30%, cbys., all quantities, same basis lb. .75 - —

I

Ichthammol, NF, dms. lb. .75 - 1.05
Indigo (see Dyes coaltar, 1171 indigo, syn).
Indole, CP, bots lb. 15.75 -18.25
Inositol, bots., dlvd. lb. 5.00 - —
dms., dlvd. lb. 4.50 - 4.75
Insect flowers (see Pyrethrum).
Iodine, crude, kgs. lb. .95 - —
Resub., USP, dms., f.o.b. works lb. 2.00 - 2.02
Iodochlorohydroquinolin, USP, dms. lb. 3.60 - —
Iodoform, NF, dms., kgs. lb. 4.90 - 5.00
a-Ionone, cns. lb. 3.85 - 5.00
b-Ionone, cns. lb. 3.85 - 5.85
Ipecac root, whole, bgs lb. 8.00 - 8.50
Powd., bbls., bxs. lb. 9.50 -10.00
Irish moss, bleached, prime, bls. lb. .22 - .25
Iron blue, alkali-resisting, bbls., c.l., dlvd. E lb. .57 - —
bbls., l.c.l., ton lots, same basis, lb. .58 - —
bbls., smaller lots, same basis lb. .59 - —
Iron blue, dom., reg., bbls., c.l., dlvd. E lb. .52 - —
bbls., l.c.l., ton lots, same basis lb. .53 - —
bbls., smaller lots, same basis, lb. .54 - —
Iron blue, imp., British, reg., bbls., c.l., dlvd. E lb. .48 - —
bbls., l.c.l., ton lots, same basis lb. .49 - —
bbls., smaller lots, same basis. lb. .50 - —
Iron blue dlvd. prices 1c. higher for Pacific Coast states:—Wash., Ore., Cal., N. M., Ariz., Mon., Wyo., Utah, Col. and Nev.
Iron compounds (see Ferric or Ferrous)
Iron oxide, black, pure, bgs., c.l., works lb. .14¾- —
bgs., l.c.l., works lb. .15 - —
Iron oxide, brown, pure, bgs., c.l., works lb. .14¼- —
bgs., l.c.l., works lb. .14½- —
Iron oxide, metallic, brown, bgs., works lb. .05¼- —
Iron oxide, Persian Gulf, red, bgs., c.l., works lb. .08¾- —
Iron oxide, red, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .14¼- —
Iron oxide, red, nat., 75-85% ferric oxide, bgs., c.l., works lb. .06¼- —
bgs., l.c.l., works lb. .06½- —
Iron oxide, Spanish red, bbls., c.l., ex dock lb. .05¾ Nom.
bbls., l.c.l., ex dock lb. .06 Nom.
bbls., l.c.l., ex whse. New York. lb. .06½ Nom.
Iron oxide, yellow, nat., French type, bgs., c.l., works lb. .06¼- —
Peruvian type, bgs., l.c.l. lb. .023 - .024
Iron oxide, yellow, pure, light lemon shade, bgs., c.l., works lb. .12¼- —
Other shades, same basis lb. .12 - —
Isoamyl alcohol, dms., c.l., works, frt. alld. E lb. .27½- —
dms., l.c.l., same basis lb. .29 - —
tanks, same basis lb. .25 - —
Isoborneol, cns. lb. 1.44 - 1.80
Isobornyl acetate, cns. lb. .48 - .56
Isobornyl formate, dms. lb. 1.20 - —
Isobornyl proprionate, dms. lb. 1.25 - 1.35
Isobutyl acetate, perfume grade, cns lb. .75 - 1.00
Solvent grade, dms., c.l., dlvd. E. of Rockies lb. .15¼- —
dms., l.c.l., same basis lb. .16¾- —
tanks, same basis lb. .12¾- —
Isobutyl alcohol, dms., c.l., dlvd. lb. .16 - —
dms., l.c.l., dlvd lb. .17½- —
tanks, dlvd. lb. .13½- —
Isobutyraldehyde, CP, cms., c.l., dlvd lb. .27½- —
dms., l.c.l., dlvd. lb. .28½- —
Isobutyraldehyde, tech., dms., c.l., dlvd lb. .22 - —
dms., l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .19½- —
Isoeugenol, cns. lb. 3.50 - 4.90
Isoniazid, powd., kilo or more kilo. 18.00 - —
Isonicotinic acid, 100-lb. fib dms., works lb. 4.25 - —
Isonicotinic acid hydrazide (see Isoniazid).
Iso-octyl alcohol, dms., c.l., dlvd. E. lb. .23½- —
dms., l.c.l., dlvd. E lb. .25 - —
tanks, dlvd. E. lb. .21 - —
Isopentane, coml. grade, tanks, f.o.b. Tex. refy gal. .15½- —
Isophthalic acid, dms., c.l., works, frt. equald lb. .152 - —
dms., l.c.l., same basis lb. .162 - —
Isopropanol (see Isopropyl alcohol).
Isophorone, dms., c.l., works lb. .24½- —
dms., l.c.l., works lb. .25¼- —
tanks, works lb. .22½- —
Isopropyl acetate, dms., c.l., dlvd. lb. .14 - —
dms, l.c.l., same basis lb. .15½- —
tanks, same basis lb. .11½- —
Isopropyl alcohol, refd., 91%, dms., c.l., dlvd gal. .53 - —
dms., l.c.l., dlvd gal. .68 - —
tanks, dlvd. lb. .42 - —
Refd., 95%, c.l., dms., dlvd. gal. .60 - —
dms., l.c.l., dlvd gal. .70 - —
tanks, dlvd. gal. .44 - —
anhyd., c.l., dlvd gal. .62 - —
dms., l.c.l., dlvd gal. .72 - —
tanks, dlvd. gal. .46 - —

Isopropyl benzene (see Cumene).
Isopropyl ether, dms., c.l., dlvd lb. .09½- —
dms., l.c.l., dlvd lb. .11 - —
tanks, dlvd. lb. .07 - —
Isopropyl-N-(3-chlorophenyl) carbamate (CIPC), tech., dms., c.l., t.l., works lb. 1.00 - —
dms., l.c.l., works lb. 1.05 - 1.25
tanks, works. lb. .99 - —
Isopropylamine (see Mono, Di, or Tri-).
Isopropyl-N-phenyl carbamate, 450-lb. fib. dms., c.l., t.l., works lb. .75 - —
450-lb fib. dms., l.c.l., works lb. .80 - .90
Isoquinoline, dms., works lb. .65 - 1.25
Itaconic acid, refd., bgs., c.l., f.o.b. works lb. .53½- —
bgs., l.c.l., same basis lb. .54½- —
Tech., 250-lb. dms., c.l., same basis. lb. .39 - —
dms., l.c.l., same basis lb. .40 - —

J

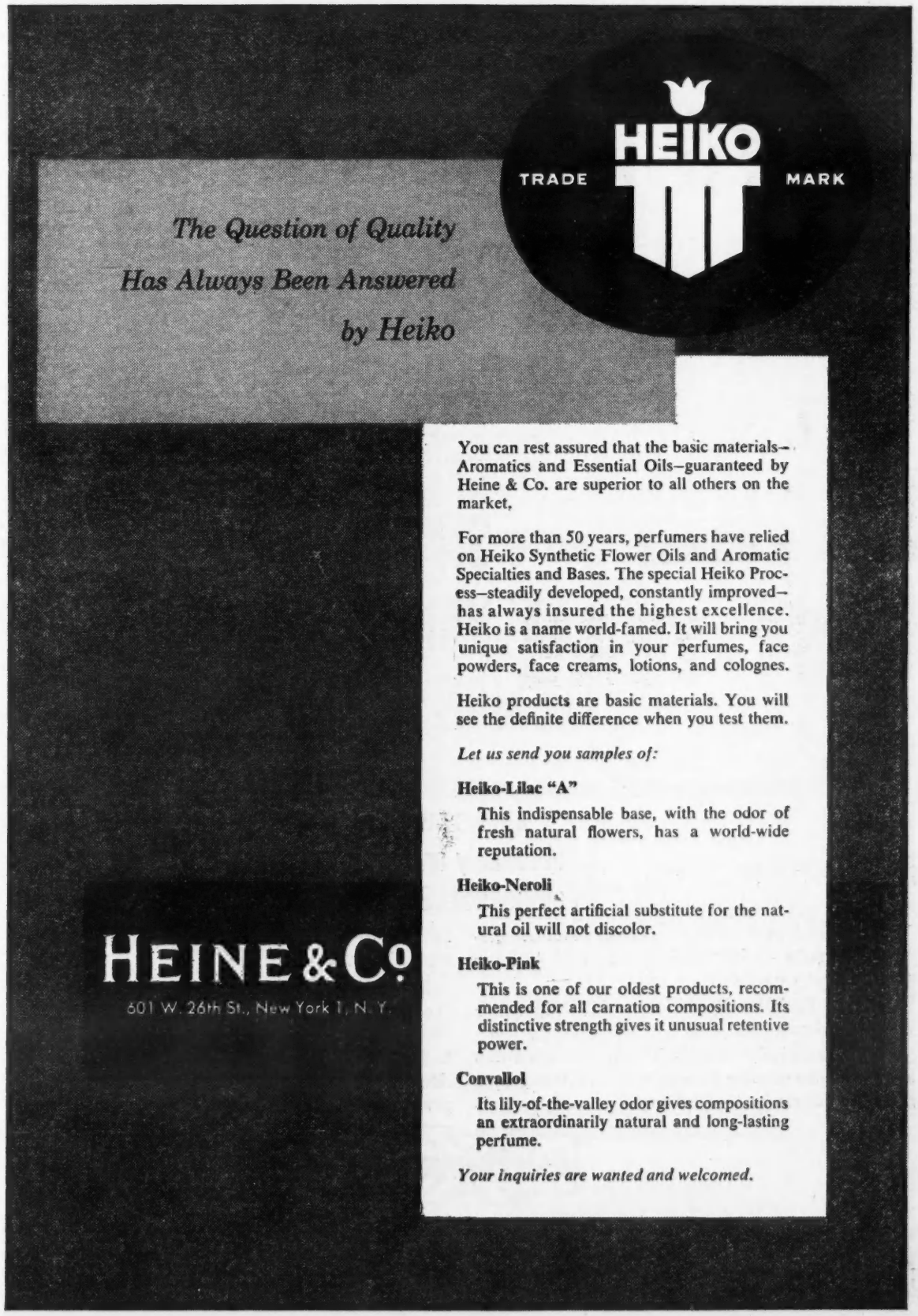
J acid, paste, bbls., works, 100% basis lb. 2.70 - —
Powd., bbls., same basis lb. 2.75 - —
Jalap root, NF, bls. lb. .90 - —
NF, powd., bbls., bxs. lb. 1.15 - —
Japan wax, cs lb. .27 - .29
Juniper berries, bgs. lb. .15 - —
Juniper berry oil, bots. lb. 2.90 - 3.75
Twice rectified bots. lb. 3.60 - 7.00
Juniper tar oil, NF dms lb. .42 - .60
Juniper wood oil, tech. cns. lb. .38 - .55

K

Kaolin (see also Clay, China).
Kaolin, NF, powd., fib. dms. lb. .10 - .12
NF, colloidal, 50-lb. bgs. lb. .15½- .17½
Karaya gum No. 1, NF, powd. bls. lb. .48 - —
No. 2, powd., bbls. lb. .43 - —
No. 3, powd., bbls. lb. .37 - —
Koch acid, bbls., frt. alld., 100% basis lb. 1.00 - —
Kola nuts, bgs. lb. .10 - —

L

L acid, bbls., works lb. 1.25 - —
Lacquer diluent, petroleum, 150°-240° F b.r., tanks, west coast, ex tax. Los Angeles gal. .174 - —
150°-240° F. b.r., tanks, east coast, N. J., N. Y. gal. .20 - —
Lacquer diluent, benzene type, tanks, group 3 gal. .1550- —
Toluene type, tanks, group 3 gal. .14375- —
tanks, Houston, Tex. gal. .16 - —
Lactic acid, edible, 50%, bbls. dms., c.l., frt. equald lb. .1789- .2740
bbls., dms., 20 or more, frt. equald lb. .1839- .2790
bbls., dms., 5 to 19, frt. equald, lb. .1889- .2840
bbls., dms., 1 to 4, frt. equald. lb. .1938- .2890
80%, c.l., bbls., dms., frt. equald lb. .3039- .4625
bbls., dms., 20 or more, frt. equald lb. .3089- .4675
bbls. dms. 5 to 19 frt. equald. lb. .3139- .4723
bbls., dms., 1 to 4 frt. equald. lb. .3189- .4773
Lactic acid, plastic grade, 50%, c.l., bbls., works lb. .2740- —
bbls., 20 or more, works lb. .2790- —
bbls., 5 to 19, works lb. .2840- —
bbls., 1 to 4, works lb. .2890- —
80%, bbls., c.l., works lb. .4625- —
bbls., 5 to 19, works lb. .4725- —
bbls., 1 to 4, works lb. .4775- —
Tech., 22%, bbls., c.l., works 100 lbs 6.80 - —
bbls., l.c.l., works 100 lbs 7.20 - —
44%, bbls., c.l., works 100 lbs. 11.45 -12.70
bbls., l.c.l., works 100 lbs. 11.85 -13.10
USP, 85%, cbys. lb. .85 - —
Lactose, crystalline, edible, bgs., 23,000-lb. lots, frt. equald lb. .14 - —
bgs., 6,000-lb. lots, frt. equald lb. .14½- —
bgs., 2,000-lb. lots, frt. equald lb. .14¾- —
bgs., 200-lb. lots, frt. equald lb. .15¼- —
Edible lactose in fib. dms., ½c. higher.
Lactose, ferment. grade bgs., c.l., works lb. .08½- —
USP, fib. dms., 30,000-lb. lots, frt. equald lb. .21½- —
fib. dms., 2,000-lb. lots, frt. equald lb. .22¼- —
fib. dms., 200-1,800-lb. lots, frt. equald lb. .22¾- —
USP lactose in bags ½c. to 1c. lower.
Lactose, USP, spray dried, bgs., t.l., frt. equald lb. .18½- —
bgs., l.t.l., frt. equald lb. .19 - .19¾
Lady's slipper root, bls. lb. 3.50 - 3.75
Lake C red toner, alizarine, bbls., works lb. 1.25 - —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601 W. 26th St., New York 1, N. Y.

Lamp Black—Magnesium Metal

Lamp black, bgs., c.l., works ... lb. .16 - .45
Lanolin, cosmetic dms., works . lb. .27 - .29
USP, anhyd., dms., works ... lb. .24 - .26
hydrous, dms., works ..... lb. .23 - .25
Lard, cash, dms. ..... lb. .0975- —
Lard oil (see Grease oil).
Larkspur seed, ogs. ..... lb. .35 - —
Laurel leaf oil, dms., cns. ..... lb 9.75 -12.50
Laurent's acid, bbls. ..... lb. .60 - —
Lauric acid, pure, dms ..... lb. .38½- .41
tanks ..... lb. .36 - —
Lauryl alcohol, bots. ..... lb. 2.00 - 2.50
n-Lauryl methacrylate, dms., c.l., t.l. works lb. .65½- —
dms., l.t.l., works lb. .66 - —
Lavandin oil, 22-24%, dms. ..... lb. 1.25 2.00
Abrial, dms. ..... lb. 1.00 - 1.50
Lavender flowers, medium, bls lb. .55 - .60
Ord., bls. ..... lb. .20 - .25
Select., bls. ..... lb. .90 - 1.09
Lavender flower oil, USP, French 35-37% ester, cns. lb. 2.75 - 6.75
40-42% ester, cns. ..... lb. 5.00 - 7.75
Spike, Spanish, cns. ..... lb. 2.20 - 3.00
Lead acetate, NF, cryst., gran., powd lb. .34½- —
White, cryst., bbls. ..... lb. .23½- —
gran., bbls. ..... lb. .26½- —
powd., bbls. ..... lb. .26½- —
Lead arsenate, acid powder, dealers, 3-50 lb. bgs or any quantity, frt. alld, on $150 or more lb. .30½- —
1-lb. bgs., same basis ..... lb. .47 - —

Lead, blue, basic sulfate, bbls., c.l., shipt point, frt. alld. ..... lb. .17 - —
bbls., l.c.l., same basis ..... lb. .18 - —
Lead carbonate (see Lead, white, basic carbonate)
Lead chloride, dms. ..... lb. .52 - —
Lead iodide NF V jars ..... lb. 3.82 - —
Lead linoleate, fused, 26% Pb dms. lb. .38 - —
Lead metal, prime, pigs, New York. lb. .12 - —
St. Louis ..... lb. .1180- —
Lead monosilicate, bgs., c.l., works, frt. equald lb. .143 - —
bgs., l.c.l., same basis lb. .153 - —
Lead naphthenate, liq., 16% Pb, dms., dlvd lb. .19½- —
24% Pb, dms., dlvd. ..... lb. .24¼- —
Solid, 37% Pb, dms., dlvd. ..... lb. .31¾- —
Lead nitrate, bbls. ..... lb. .24¼- .26¼
Lead orthosilicate-gel, 50-60% PbO, dms., works lb. .29¾- .34¼
Lead peroxide, tech. powd. bbls lb. .45 - .50
Lead phthalate, dibasic, dms., works. lb. .41 - —
Lead, red, 95% Pb_3O_4, or less bbls., c.l., works, frt. equald. lb. .14¼- —
bbls., l.c.l., same basis ..... lb. .15¼- —
97% Pb_3O_4, bbls., c.l., same basis. lb. .1445- —
bbls., l.c.l., same basis ..... lb. .1545- —
98% Pb_3O_4, bbls., c.l., same basis. lb. .1460- —
bbls., l.c.l., same basis ..... lb. .1560- —

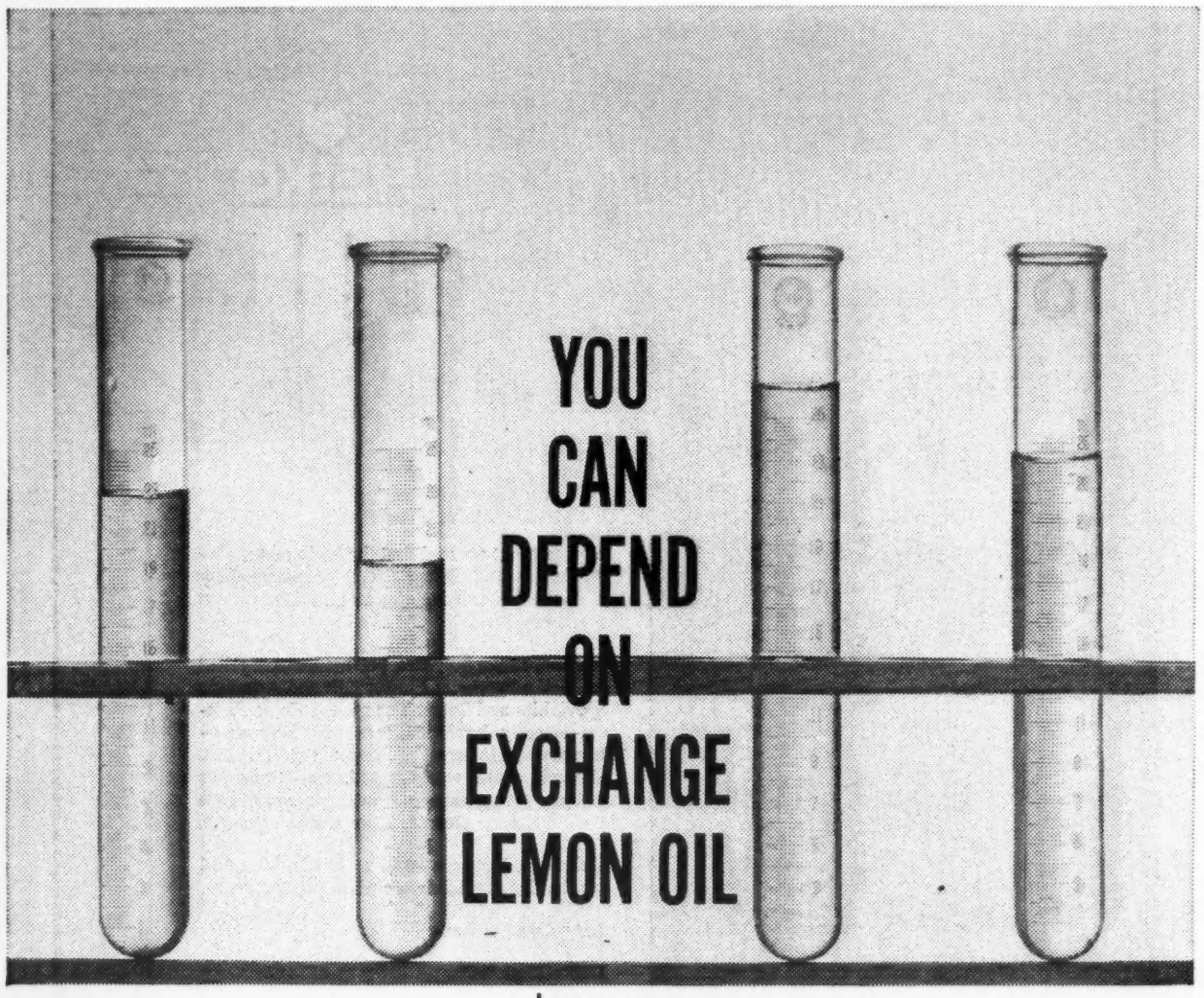
Lead resinate, precip. 23% Pb, dms., ton lots, dlvd lb. .40¼- —
Lead salicylate, normal, dms., works. lb. .46 - —
Lead silicate (see Lead white basic silicate).
Lead silico-chromate, bgs., c.l., f.o.b. mfg. point, frt. alld lb. .19½- —
bgs., l.c.l., same basis ..... lb. .20½- —
Lead sulfate (see Lead blue basic sulfate).
Lead tallate, liq., 16% Pb, dms lb. .15 - —
24% Pb, dms. ..... lb. .21¼- —
Solid, 30% Pb, dms. ..... lb. .23¼- —
Lead, white, basic carbonate, bgs., c.l., shipt. pt., frt. alld lb. .17 - —
bgs., l.c.l., same basis .. lb. .18 - —
Lead, white, basic silicate, bgs., c.l., shipt. pt. frt. alld lb. .15¾- —
bgs., l.c.l., same basis .... lb. .16¾- —
Lead, white, basic sulfate bgs., c.l., shipt. pt., frt. alld lb. .16¼- —
bgs., l.c.l., same basis .... lb. .17¼- —
Lecithin, edible, tech., bleached, non-ret. dms., c.l., works. lb. .14 - .15
non-ret. dms., l.c.l., same basis lb. .15 - .16
unbleached, non-ret. dms., c.l., same basis lb. .13 - .14
non-ret. dms., l.c.l., same basis lb. .14 - .15

Lemon bioflavonoid complex, fib. dms., 25-lb. lots, works lb. 9.00 - —
Lemon oil, USP, Calif., cns., dms. lb. 3.40 - 3.50
Messina, cns. ..... lb. 4.25 - 9.00
Lemongrass oil, cns. dms. ..... lb. .95 - 1.25
dl-Leucine, dms., works ..... lb. 12.25 -15.00
Licorice root, gran., bls. ..... lb. .13 - —
Powd., bls. ..... lb. .15 - .16
Whole, bls. ..... lb. .09 - .10

Lignaloe wood oil, Mexican, cns. lb. 2.75 - 3.50
Lignosulfonate (see under ammonium or sodium lignin sulfonate).
Lime, chemical (quicklime), bulk, c.l., 50,000 lbs., works, E. ton. 14.25 - —
Chemical, hydrated, bgs., c.l., same basis ton. 17.25 - —
Chemical, spray, bgs., c.l., same basis ton. 18.25 - —
For New York delivery, add $6.29 freight charge.
Lime oil, dist., Mexican, cns. .... lb. 6.25 - 6.75
West Indian, cns ..... lb 6.50 - 7.80
Expressed, West Indian cns . lb. 7.75 -13.70
Lime salts (see Calcium).
Lime-ammonium nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Linalool, ex bois de rose oil, dms. lb. 3.70 - 4.35
Syn., 98-100%, dms., works .. lb. 3.70 - —
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 3.80 - 4.00
96-98%, dms. ..... lb. 4.10 - 4.80
Syn., 98-100%, dms., works .. lb. 3.70 - —
Lindane, 25% formulation to distributors dms., frt. alld lb. 1.35 - 1.50
Lindane, tech., to formulators, dms., 1-2,000 lbs., dlvd lb. 2.40 - —
Linden flowers, with leaves, bls lb. .25 - —
Without leaves, bls. ..... lb. .35 - .40
Linseed meal, expeller, 32% bulk, Minneapolis, mills ton. Nominal
Extracted, 34% bulk, same basis. ton. 75.00 - —
Linseed oil, raw, dms., c.l., New York lb. .1600- —
dms., l.c.l., New York ..... lb. .17 - .1750
tanks, f.o.b. Minneapolis .... lb. .1250- —
tanks, New York ..... lb. .1400- —
tankwagon, New York ..... lb. .1450- .1460
Boiled linseed oil, .006c. per lb. higher.
Linseed oil acids, dist., dms. .... lb. .1900- —
Water-white, dms ..... lb. .2200- —
Litharge, comi., powd., bbls., c.l., works, frt. equald .. lb. .13¾- —
bbls., l.c.l., same basis ..... lb. .14¾- —
Lithium aluminum hydride, lump, dms., works lb. 33.00 -39.00
Lithium benzoate, dms. ..... lb. 1.65 - 1.67
Lithium bromide, NF, gran., works, frt. equald lb. 2.60 - —
Lithium carbonate, NF, dms., c.l., t.l., dlvd lb. 1.29½- —
dms., ton lots to t.l., dlvd lb. 1.30 - 1.30¼
Tech., dms., c.l., t.l., frt alld lb. .67 - —
dms., ton lots, same basis .. lb. .73 - —
dms., smaller lots, same basis. lb. .79 - —
Lithium chloride, CP, anhyd., dms., ton lots lb. 1.23½- —
Tech., anhyd., dms., c.l., t.l., dlvd, or works, frt. alld lb. .87 - —
dms., l.c.l., same basis .. lb. .88 - .92
Lithium citrate, NF, dms., ton lots. lb. 1.50 - —
Lithium fluoride, dms., 20,000-lb. lots, dlvd lb. 2.15 - —
bbls., ton lots and more, dlvd. lb. 2.18½- —
bbls., less ton lots, dlvd. ..... lb. 2.23½- —
Lithium hydride, powd., dms., 500-lb. lots or more, works lb. 9.50 - —
Lithium hydroxide, monohydrate, dms., c.l., t.l., frt. alld lb. .72 - —
dms., l.c.l., frt. alld. ..... lb. .73 - —
Lithium manganite, dms., works. lb. .95 - 1.05
Lithium nitrate, tech., dms., 100-lb. lots lb. 1.15 - 1.25
Lithium salicylate, dms. ..... lb. 1.60 - 1.70
Lithium silicate, dms., works .. lb. 1.10 - 1.20
Lithium stearate, dms., c.l., works. lb. .47½- —
dms., ton lots, works ..... lb. .48½- —
dms., less-ton lots, works ..... lb. .53½- —
Lithium sulfate, dms., 100-lb. lots. lb. 1.15 - 1.25
Lithium titanate, dms., works ... lb. 1.15 - 1.25
Lithol red toner, barium, bbls., works lb. .98 - —
Lithol-rubine red toner, pure bbls., works lb. 1.50 - —
Resinated, bbls., works ..... lb. 1.47 - —
Lithopone, ord., bgs., c.l., dlvd. E. lb. .08⅝- —
bgs., l.c.l., dlvd. E. ..... lb. .09⅛- —
Lithopone, titanated (high-strength), bgs., c.l., dlvd lb. .11 - —
bgs., l.c.l., dlvd. ..... lb. .12 - —
Lobelia herb bls ..... lb. .55 - —
Lobeline sulfate, bots., 50-oz. lots, works .. oz. 30.00 - —
Locust bean gum, powd., bgs. .... lb. .38 - .39
Lycopodium, cs. ..... lb. 4.00 - —
l-Lysine monohydrochloride, 25, 50-lb. dms .. lb. 6.00 - —

M

Mace, Siauw, No. 1, bls ..... lb. 2.10 - —
No. 2, whole, bls ..... lb. 1.85 - —
siftings, bls. ..... lb. 1.70 - —
Mace oil, dist., cns., dms ..... lb. 9.75 -15.75
Magnesia, calcined, tech., bgs., ctns., frt. equald lb. .25¾- .26¼
Tech., syn., rubber grade, light, bgs., c.l., frt. equald lb. .28¾- .30
rubber grade, extra light, bgs., c.l., frt. equald lb. .23 - —
bgs., l.c.l., frt. equald lb. .28¾- —
Above prices are quoted f.o.b. works, freight equald, with Metropolitan New York and competitive producing points
Magnesia, calcined, USP, light bgs. lb. .36½- .37½
heavy, fib dms ..... lb. .45 - .52
Magnesite, chemical grade, calcined, powd., bgs., c.l., works. frt. equald ton. 86.25 - —
Magnesite, chemical grade, dead-burnt, standard grain, bulk, c.l., Chawelah, Wash ton. 46.00 - —
Magnesium bromide, cs., jars .. lb. .95 - 1.00
Magnesium carbonate, tech., bgs., c.l., frt. equald lb. .11 - —
bgs., t.l., frt. equald ..... lb. .11½- —
bgs., l.c.l., frt. equald .... lb. .13½- .14
Magnesium carbonate, USP, bgs., c.l., frt. equald .. lb. .13½- —
bgs., t.l., frt. equald ..... lb. .14 - —
bgs., l.c.l., frt. equald ..... lb. .15 - .16
Above prices are quoted f.o.b. works, freight equald, with Metropolitan New York and competitive producing points.
Magnesium chloride, anhyd., 92% flake or pebble, dms., c.l., works lb. .12¾- —
dms., l.c.l., works ..... lb. .14 - .15
Magnesium chloride, hydrous, 99% flake, bgs., c.l., works. ton. 55.00 - —
bgs., l.c.l., works ..... ton. 65.00 -80.00
Magnesium gluconate, 100-lb. dm., f.o.b. works E lb. 1.42 - —
Magnesium hydroxide, NF, powd., dms., 500-lbs. or more, f.o.b., works lb. .24½- .25¼
Magnesium lauryl sulfate, dms., c.l., frt. alld .. lb. .22½- —
dms., l.t.l., frt. alld ..... lb. .23½- —
tanks, frt. alld ..... lb. .21½- —
Magnesium metal, 99.8%, ingots, 10,000-lb. lots or more, works lb. .36 - —
pigs, 10,000-lb. lots or more, works .. lb. .35¼- —
sticks, cs. works frt. alld. on carlots lb. .59 - —



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Magnesium nitrate, cryst., dms., works lb. .29 • —
Magnesium oxide (see Magnesia, calcined).
Magnesium phosphate, tribasic, NF, bbls lb. .75 • —
Magnesium silicate (see Talc).
Magnesium silicofluoride, dms., works lb. .10½- .12
Magnesium sulfate, tech., bgs., c.l., works 100 lbs. 2.15 • —
bgs., l.c.l., works 100 lbs. 2.90 • 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 • —
bgs, l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 • —
bgs, smaller lots 100 lbs. 3.35 • —
Magnesium trisilicate, USP, fib. dms., 5,000-lb. lots lb. .38 • —
fib. dms., 1,000-lb. lots lb. .40 • —
fib. dms., 100-lb. lots lb. .45 • —
Bulky and super grades of magnesium trisicilate 7c. per. lb. higher.
Malachite green, straight, PTMA, bbls, works lb. 5.30 • —
Malathion, dms., c.l., works lb. .89 • —
dms., l.c.l., works lb. .92 • 1.01
Maleic acid, cryst., powd., dms lb. .37¼ —
Maleic anhydride, dms., c.l., dlvd. E. of Rockies lb. .28¾ —
dms., l.c.l., dlvd. E. of Rockies lb. .29¾ - —
tanks, dlvd. E. of Rockies lb. .27¾ - —
Prices on maleic anhydride W. of Rockies, 1½c. per. lb. higher.
Malic acid, tech., dms. lb. .50 • —
Mandelic acid, NF, dms., 1,000-lb. lots lb. 2.35 • —
dms., smaller lots lb. 2.40 • 2.50
Mandrake root, bls lb. .45 • .48
Manganese acetate, dms., dlvd. lb. .35 • —
Manganese borate, tech., fib. dms. lb. .23½- —
Manganese carbonate, chemical grade, 46% Mn, bgs., 20,000-lb. lots and more, works lb. .11 • .16
Manganese chloride, CP, anhyd., dms., 20,000-lb. lots, works lb. .21¾- —
smaller lots, works lb. .23½- —
Manganese dioxide, African, 83-87%, 40,000 to 99,999-lb. lots, burlap paper lined bgs., gross for net works ton.148.00 • —
40,000 to 99,999-lb. lots, paper bgs., same basis ton.144.50 • —
40,000 to 99,999-lb. lots, dms. same basis ton.152.50 • —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Manganese gluconate, dms. lb. 1.84 • —
Manganese hydrate, dms., dlvd lb. .35 • —
Manganese hypophosphite, NF, dms. lb. 3.52 • —
Manganese linoleate, liq., 4.35% Mn, dms lb. .35¾ - —
Solid, precip., 8.2% Mn, bbls lb. .41¼ - —
Manganese metal, electrolytic, dms., c.l., dlvd. E. lb. .34 • —
dms., ton lots, dlvd. E. lb. .36 • —
dms., smaller lots, dlvd. E. lb. .38 • —
Manganese naphthenate, liq., 6% Mn, dms., frt. alld lb. .29¾ - —
Manganese resinate, fused, 3½% Mn, dms lb. .25¼ - —
Precip., 6½ 7% Mn, dms lb. .33 • —
Manganese sulfate, fertilizer grade, 65% $MnSO_4$, bgs., c.l., dlvd S. E. ton.97.50 • —
bgs., l.c.l., dlvd. S. E. ton.104.50 • —
Manganese tallate, 6%, dms. lb. .26 • —
Manila copal gum, C, bgs. lb. .35 • .39
DBB, bgs. lb. .25 • .28
DK, bgs. lb. No stocks.
DK, dust bgs. lb. .14 Nom.
MA, soft, bgs. lb. .20 .24
WS, bgs. lb. No stocks.
Mannitol, com'l, fib. dms., ton lots, works lb. .60 • —
fib. dms. to ton lots, works lb. .62 • —
fib. dms., single dm., works lb. .65 • —
Marine pitch, dms. lb. .04¼- .05
MBTS (see Mercaptobenzothiazyl disulfide).
MBT (see 2-Mercaptobenzothiazole).
Melamine, bgs., c.l., works lb. .30 • —
bgs., l.c.l., works lb. .31 • —
Menadione, USP, bots. gram. .044 • .05
Menhaden oil, crude, tanks, works, Atl. & Gulf lb. .07½ Nom.
Menthol, nat., USP, Brazilian, cs. lb. 6.00 • —
Japanese, cs. lb. 7.00 • 7.18
Syn., USP racemic crs lb. 4.50 • —
2-Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld lb. .44 • —
bgs., fib. dms. less ton lots, same basis lb. .48 • —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton lots, works, frt. alld lb. .54 • —
bgs., fib. dms. less ton lots, same basis lb. .56 • —
Mercuric chloride, NF, cryst., dms., 50-lb lots or more lb. 4.98 • —
USP, gran. or powd., 50-lb. dm., 100 lbs., f.o.b. works lb. 4.78 • —
Mercuric cyanide, NF VIII, powd., fib dms lb. 6.84 • —
Mercuric iodide red, NF, 100-lb. dm., f.o.b. works lb. 7.72 • —
Mercuric oxide, red., NF IX, 50-lb. dm., 100 lbs., f.o.b. works lb. 5.97 • —
tech., 50-lb. dm., 100 lbs., same basis lb. 5.77 • —
Mercuric oxide yellow, NF, 50-lb. dm., 100 lbs., same basis lb. 6.14 • —
tech., bbls. 1,000-lb. lots lb. 5.58 • —
bbls. smaller lots lb 5.60 • —
Mercurous chloride (see Calomel).
Mercurous iodide yellow, NF, 100-lb. dm., f.o.b. works lb. 8.22 • —
Mercury, ammoniated (see White precipitate, USP XV).
Mercury metal, 76 lbs. per flask, net-flask.245.00 -247.00
Mesityl oxide, dms., c.l., dlvd. lb. .15 • —
dms., l.c.l., dlvd. lb. .16½- —
tanks, dlvd lb. .12½- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Chloroaniline).
Metanilic acid, dms., works lb .57 - .75
Metanitroparatoluidine (see m-Nitro-toluidine).
Metanitroaniline (see m-Nitroaniline).
Metaphenylenediamine (see m- Phenylenediamine).
Metatoludine (see m-Toluidine).
Metatolylenediamine (see 2.4-tolylenediamine).
Methacrylic acid, glacial, 98%, dms., truckloads, works lb. .47 —
dms., smaller lots, works lb. .47½- .80
tanks, works lb. .45 • —
Methanol, nat., denaturing grade, tanks, frt. alld gal. .85 —
Syn., zone 1, dms., c.l or t.l. min., dlvd gal. .51½- —
dms., l.c.l., dlvd gal. .61½- —
tankwagon, 2,000-4,000 gal. lots, dlvd. Metropolitan area gal. .35 • —
Methanol, syn., zone 1, tankwagon, 4,000 gal. min., dlvd gal. .30 • —
tankwagon, 4,000 gal. min., f.o.b. terminal gal. .29 • —
zone 2, dms., c.l., or t.l., min., frt. alld. or dlvd gal. .55½- —
dms., l.c.l., works gal. .65½- —
tankwagon, 2,000-4,000 gal. lots, min., dlvd., Metropolitan area gal. .39 • —
tanks, 4,000 gal. min., dlvd.gal. .30 • —
Synthetic methanol zones are: Zone 1 is all continental US E. of eastern boundaries of Ariz., Idaho and Utah, Zone 2 is remainder of US west of above state boundaries comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methapyrilene fumarate, 100-999 lbs., dms., f.o.b. works, frt. equald lb.21.75 • —
Methapyrilene hydrochloride, 100-999 lbs., dms., f.o.b. works, frt. equald lb.27.25 • —
Methenamine (see Hexamethylenetetramine).
Methionine hydroxyanalogue, (calcium salt) 90% min., dms., t.l., frt alld lb. 1.25 • —
dms., l.t.l., same basis lb. 1.29 • —
dl-Methionine, fib. dms., frt. alld., 50-lb. or more lb. 3.50 • —
Feed grade, 98%, fib. dms., same basis lb. 1.53 • —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld lb. .56 - .70
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .21½- —
non-ret. dms., t.c.l., same basis.lb. .22 - .22½
Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd zone 1 lb. .23½- —
non-ret. dms., t.c.l., same basis. lb. .24 - .24½
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Methyl acetone, nat., dms., t.c.l., E. of Miss., frt. alld gal. .62½- —
Syn., dms., c.l., frt. alld. E. gal. .66 • —
dms., t.c.l., frt. alld. E. gal. .76 • —
tanks, frt. alld. E. gal. .51 • —
Synthetic methyl acetone E. territory comprises all states East of and including Colo., Mont., N. Mex. and Wyo. West territory is made up of all states west of those four.
Methyl acrylate, dms., c.l., t.l., dlvd. lb. .39 • —
dms., t.t.l., dlvd. lb. .40 • —
tanks, dlvd. lb. .37 • —
Methyl alcohol (see Methanol).
Methyl amyl acetate, dms., c.l., dlvd. E lb. .17 • —
dms., t.c.l., dlvd. E. lb. .18½- —
tanks, dlvd E. lb. .14½- —
Methylamyl alcohol, dms., c.l., dlvd. lb. .17 • —
dms., t.c.l., dlvd. lb. .18½- —
tanks, dlvd. lb. .14½- —
Methylamyl ketone, dms., works lb 1.05 • —
N-Methylaniline, tech., tanks, frt. alld. lb. .68 • —
Methyl anthranilate, crs. lb 2.25 - 2.75
Methyl benzoate, crs., dms lb. .65 - .75
Methyl bromide, service organization prices, 40 to 375-lb cyls., large lots, frt allo lb. .62 - .65
Methyl cellulose, special vis., (1,500-4,000 cps.) 50-lb bgs., c.l., works lb. .82 • —
Methyl cellulose, special vis., (1,500-4,000 cps.), 50-lb. bgs., 2,000-lb. lots and more, same basis lb. .89 • —
50-lb. bgs., smaller lots, frt. alld. on 100 lbs lb. 1.05 • —
Methyl cellulose, standard vis. (15,-400 cps.), 50-lb bgs., c.l., frt. allo lb. .69 • —
50-lb. bgs., 2,000-lb lots and more, same basis lb. .76 • —
50-lb bgs., smaller lots, frt. allo. on 100-lbs lb. .79 .89
Methyl chloride, inoust cyls., frt. equald lb. .22¼- —
tanks, multi-unit, same basis. lb. .16¼- —
tanks, single unit, same basis. lb. .12¾- —
Refrigerator mfrs, cyls., dlvd lb. .48¾ - —
other consumers or service men, cyls., dlvd lb. .67¾ - —
Methyl chloroform (see 1,1,1-Trichloroethane).
Methyl cinnamate, crs. lb. 1.53 1.80
Methyl ethyl ketone, dms., c.l., dlvd lb. .15 • —
dms., t.c.l., dlvd lb. .16½- —
tanks, dlvd. lb. .12½- —

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. . . and Perfect Performance for *Every* Purpose!

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Unadulterated
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R. D. WEBB & CO., INC.
137 Eoston Fost Road, Cos Cob, Conn.

2-Methyl-5-Ethyl Pyridine—Orthocresotinic Acid

2-Methyl-5-ethyl pyridine, dms., c.l., works lb .45 —
dms., l.c.l., works lb. .45¾- —
tanks, works lb. .43 —
Methyl formate, refd., dms. lb. .35 .40
Tech. non ret dms., any quantity works lb. .10 —
tanks, works lb. .07 - —
a-D Methyl glucoside, tech., 100-lb. multiwall paper bgs., c.l., works lb. .21 - —
100-lb multiwall paper bgs., t.l., min 23,000 lbs., works lb. 21½ —
100-lb multiwall paper bgs., l.t.l., works lb .23 —
Methyl heptin carbonate, bots lb 28.00 31.00
Methyl p-hydroxybenzoate, fib dms lb 1.90 2.00
Methyl ionone standard cns. dms lb. 3.40 3.85
Methyl isobutyl carbinol (see Methyl amyl alcohol).
Methyl isobutyl ketone, dms., c.l., dlvd lb. .17 —
dms., l.c.l., dlvd. lb. .18½- —
tanks, dlvd lb. .14½- —
Methyl methacrylate, dms., c.l., l.t., frt equald with Belle, W Va lb. .31 —
dms., smaller lots, same basis lb. 31½- —
tanks, same basis lb 29 —
Methyl naphthyl ketone, cryst., cns lb. 2.45 - 4.30
Methyl paranydroxybenzoate (see Methyl p-Hydroxybenzoate)
Methyl parathion tech. 80% dms., frt alld E lb .81 - —
Methyl parathion prices 2c per lb. higher in West
Methyl roseaniline chloride, NF., 5-lb fib dms lb 6.90 —
Methyl salicylate, dms., t.l., frt. alld lb. .60¼ —
dms., l.c.l., same basis lb. .62½ .67½
Methyl testosterone USP, 100-gram bots gram. No Prices.
Methyl violet toner, molybdated, PMA, bbls., dlvd E of Rockies lb 2.80 —
Methyl violet toner, tungstated, PTMA, bbls., same basis lb 4.35 - —
Methyl violet prices 1c higher W of Rockies
Methylene blue, fib cms., 100-lb. lots, frt adjusted lb 3.25 - —
Methylene chloride, tech., straight or assorted, dms., c.l., or t.l., dlvd lb. .14 —
dms., l.c.l., t.t.l., dlvd lb. .16¾- —
tanks, 4,000-gal min. tank trucks, maximum load limit, dlvd lb. .12½- —
tank trucks, 1,050-gal min., dlvd lb. .13¼- —
b-Methylnaphthalene, 32°C., m.p., dms., works lb 90 —
Methylpentanediol (see Hexylene glycol)
Methylphenylpyrazolone (see 1-phenyl-3 methylpyrazolone-5).
Methylthionine chloride (see Methylene blue)
Mica, dry grd., paint, plastic, 100 mesh bgs, c.l. works lb .04 —
roofing, 20 to 80 mesh works lb .03 —
Mica, wet grd., biotite bgs., c.l., works, frt alld E lb. .05½ —
bgs, l.c.l. ex whse lb. .07¾ —
paint or laeq., bgs., c.l., 325 mesh works frt alld E. lb. .03¼ —
bgs, l.c.l. ex whse or freight alld E lb. .09 —
rubber, bgs, c.l., works, frt. alld E lb. .07 —
bgs, l.c.l., ex whse or frt. alld E lb. .03¾- —
wallpaper bgs, c.l. works, frt. alld E lb. .03¾ —
bgs ex-whse or frt alld E. lb .09 —
white, 5-10 microns, bgs., c.l., works, frt. alld. E lb. .08¼- —
l.c.l. ex-whse. or frt alld E. lb .09 —
Mica, wet-grd. W. of Miss. ½c higher; W. of Rockies 1c higher
Microcrystalline wax, petroleum, coating grades, tankcars, works lb. .10 .11
Microcrystalline wax, petroleum, laminating grades, tankcars, works lb. .11 .12
Mineral black, bgs. works lb. .0100 .0573
Mineral oil, white, tech., 50-65 vis., non ret. dms., c.l., f.o.b. refy gal. .62 - —
non-ret. dms., t.c.l., same basis gal. .67 - —
tankcars refy gal. .46 - —
65-75 vis., non-ret. dms., c.l., same basis gal. .62 - —
tankcars, refy gal. .46 - —
80-90 vis., non-ret. dms., c.l., same basis gal. .63 - —
non-ret. dms., t.c.l., same basis gal. .68 - —
tankcars, refy gal. .47 - —
135-138 vis. non-ret. dms., c.l., same basis gal. .69 - —
non-ret. dms., l.c.l., same basis gal. .74 - —
tankcars refy gal. .53 - —
145-155 vis., non-ret. dms., c.l., same basis gal. .75 - —
non-ret. dms., t.c.l., same basis gal. .80 - —
tankcars, refy gal. .59 - —
USP, 180-190 vis., non-ret. dms., c.l., same basis gal. .77 - —
non-ret. dms., t.c.l., same basis gal. .82 - —
tankcars, refy. gal. .61 - —
200-210 vis., non-ret. dms., c.l., 200-210 vis., non-ret. dms., l.c.l., same basis gal. .89 - —
tankcars, refy gal. .63 - —
300-350 vis., non-ret dms., c.l., f.o.b. New York gal. .84½- —
non-ret dms., t.c.l., same basis gal. .89½- —
tankcars, refy gal. .68½- —
Mineral orange, American, bbls., c.l., works lb. .1560- —
bbls., l.c.l., same basis lb. .1660- —
Mineral spirits, petroleum, odorless, tanks, refy Watson, Calif. gal. .25 - —
tanks, Borger, Tex. gal. .25 - —
Houston, Tex. gal. .25 - —
Philadelphia gal. .32 - —
Newark gal. .29 - —
New York, dlvd. gal. .30½- —
Wood River, Ill gal. .2725- —
tankwagon, New Jersey, dlvd. gal. .37¼- —
tankwagon, New York, dlvd. gal. .38½- —
Mineral spirits, petroleum, regular, tanks, Calif., ex tax San Francisco gal. .169 —
tanks, east coast, New Jersey, New York gal. .18 —
tanks, group 3 gal. .12875- —
tanks, Houston Tex gal. .145 - —
tankwagon, Boston gal. .20 - —
Buffalo gal. .20½- —
Chicago gal. .209 - —
Cleveland gal. .23½- —
Newark gal. .19 - —
New York gal. .19 - —
Philadelphia gal. .19½- —
Pittsburgh gal. .19 - —
Providence gal. .20½- —
Mirbane oil (see Nitrobenzene)
MNPT maroon toner kgs., c.l., works lb 6.30 - —
Molasses, blackstrap, teeo grade tanks, New Orleans gal. .12 - —
tanks, New York ga .0 - —
Molybdated orange bbls ib .3 - —
Molybdenum metal, powd., 60 or 200 mesh, ctns., works kilo 7.84 - —
325 mesh, ctns works kilo 9.13 - —
Molybdenum trioxide, purif., dms., works lb 1.15 - —
Tech. chemical dms. works, basis Mo content lb 1.48 - —
Tech., metallurgical, dms. works, basis Mo content lb 1.47 - —
Molybdic acid, 85% dms. works lb 1.05 - 1.15
Monoallylamine, dms., c.l., dlvd lb .905 —
dms., c.l., dlvd lb .905 —
tanks, dlvd lb. 98 —
Monobutylamine, cms., c.l., dlvd E. of Rockies lb. .57½- —
dms., t.c.l., same basis lb. .59 - —
tanks, same basis lb. .55 - —
Mono-tert-butyl-m-cresol, dms., c.l., works lb. .55 - —
dms., t.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Monochloracetic acid, purif (see Chloroacetic acid, mono)
Monochlorobenzene, dms., c.l., frt. alld or dlvd E lb. .10½- —
dms., t.c.l., same basis lb. .11½- —
tanks, same basis lb. .08¾- —
Monoethanolamine dms. c.l. dlvd. E lb. .27½- —
dms., l.c.l., same basis lb. .28½- —
tanks, same basis lb. .25 - —
Monoethylaiphanaphthylamine (see N Ethyl-a-naphthylamine)
Monoethylamine, 70% aqueous, solution, dms., c.l., dlvd E. 100% basis lb. .36½ —
dms., t.c.l. dlvd E 100% basis, lb. .40 - —
tanks, dlvd E., 100% basis lb. .35 - —
Monoethylaniline (see N Ethylaniline).
Monoethylorthotoluidine (see N-Ethyl-o-toluidine)
Monoisopropanolamine, dms., c.l., dlvd E lb. .07½- —
dms., t.c.l., same basis lb. .[illegible] - —
tanks, same basis lb. .25 - —
Monoisopropylamine, anhyd., dms., c.l., dlvd lb. .33½- —
dms., t.c.l. same basis lb. .35 - —
tanks, same basis lb. .31 - —
Monomethylamine, anhyd., cyls., l.c.l. frt equald., 100% basis lb. .20 - —
tanks, same basis lb. .26 - —
30-35% soln., dms., c.l., frt. equald., 100% basis lb. .36 - —
dms., t.c.l., frt equald., 100% basis lb. .36½- —
tanks, frt equald., 100% basis, lb. .26 - —
40% soln., dms., frt. equald, 100% basis lb. .33 - —
dms., t.c.l., frt. equald., 100% basis lb. 33½- —
tanks, frt equald., 100% basis, lb. 26 - —
— - [illegible] c.l., dlvd E lb. .32 - —
Monomethylaniline, tech., flake, bbls., bgs., t.c.l., dlvd. E lb. .32 - —
Monopotassium glutamate, dms., 1,000-lb lots, frt. alld lb 3.05 - —
dms, 100-lb lots, same basis lb 3.25 - —
Monosodium glutamate, dms., 100 lbs., dlvd lb. 1.00 - 1.07
Monosodium phosphate (see sodium phosphate, monobasic).
Mono-tertiary butylmetacresol (see 6-tert-butyl-m-cresol)
Montan wax, dom., refd., bgs. lb. .29 - .30
Imp., crude, Bohemian, bgs. lb. .22 - .24
German, bgs. lb. .26 - .27
Morphine, cns oz. 12.40 -12.60
Morphine acetate, anhyd., cns oz 9.95 -10.00
Morphine hydrobromide, cns oz 9.90 9.95
Morphine hydrochloride, NF, cns oz 9.90 9.95
Morphine sulfate, USP, cns. oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .55¼- —
dms., t.c.l., dlvd. E lb. .56¼- —
tanks, dlvd. E lb. .52¾- —
Muriatic acid (see Hydrochloric acid).
Musk, syn., ambrette, fib dms., 100-lb. lots lb. 4.40 - 4.90
cns., 25-lb. lots lb. 4.50 - 5.00
Ketone, fib, dms., 100-lb. lots lb. 4.60 - 5.10
cns., 25-lb. lots lb. 4.70 - 5.20
Xylol, fib, dms., 100-lb lots lb. 1.40 - —
cns., 25-lb lots lb. 1.45 - —
Mustard seed, Danish yellow, bags, lb. .11½- —
Montana, yellows, bgs lb. .10½- —
Oriental, bgs. lb. .08 - —
Mustard oil, syn. bots. lb. 1.60 1.85
Myristic acid, bgs lb. .31½- .34
tanks lb. .30½- —
Myrrh gum, cs lb. .55 - —

N

Naphtha, high scvency (see Solvent naphtha, petroleum)
Naphtha, petroleum, cleaner's (see Cleaner's naphtha).
Naphtha, VM&P, petroleum, 225°-300°F., b.r., tanks, west coast, Los Angeles gal. .174 - —
Portland, Ore. gal. .18 - —
San Francisco gal. .179 - —
Seattle, Wash. gal. .18 - —
east coast, New Jersey and New York gal. .19 - —
group 3 gal. .13875 —
Naphtha, VM&P, petroleum, tankwagon, Boston gal. .21½- —
Chicago gal. .299 - —
Cleveland gal. .24½- —
Houston Tex. gal. .15½- —
Newark gal. .20½- —
New York gal. .20½- —
Philadelphia gal. .21½- —
Pittsburgh gal. .20 - —
Naphthalene, crude, com., 74°, tanks, frt. equald lb. .04¼- —
78°, tanks, same basis lb. .05 —
Imp., 78°, bgs., large lots lb. .05½ Nom.
Naphthalene, refd., indust., chipped, crushed, bgs., frt. equald. lb. .12½- —
tanks, same basis lb. .08¾- —
Refd., indust., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .15½- —
cs., 50 lbs., c.l., same basis, lb. .15¾- —
1-lb. pkgs., c.l., same basis, lb. .18½- —
a-Naphthol, bbls., frt. alld lb. 1.00 - —
b-Naphthol, tech., flake, bbls., c.l., works lb. .33 - —
bbls., l.c.l., works lb. .35 - —
Naphthol, ITR, red toner, bbls., works lb. 5.50 - —
1-Naphthol-3,6-disulfonic 8-amino acid (see H acid)
1-Naphthol-4 sulfonic acid (see Nevile and Winther's acid).
1-Naphthol-5-sulfonic acid (see L acid).
1-Naphthol-5-sulfonic 8-amino acid (see S acid).
2 Naphthol-6 8-disulfonic acid (see Gamma acid)
Naphthol sulfonic mixed acid (see Cleve's acid).
a-Naphthylamine, bbls, frt. alld lb. .50 - —
b-Naphthylamine, tech. flake, bbls., works lb. 1.60 - —
1-Naphthylamine-5-sulfonic acid (see Laurent's acid).
2-Naphthylamine-4,8-disulfonic acid (see Cassella acid).
2-Naphthylamine-1-sulfonic acid (see Tobias acid).
2-Naphthylamine-6-sulfonic acid (see Broenner's acid).
2 Naphthylamine-7-sulfonic acid (see F acid)
Naringin, fib. dms lb. 8.50 - -
Neatsfoot oil, 15° cold test, dms lb. .30 - .35
20° cold test, dms lb. .29 - .32
30° cold test, dms lb. .28 - .31
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin sulfate, fib dms., 1-kilo basis activity gram. .25 - —
fib dms., 100-999-gram lots, basis activity gram. .30 - —
Neroli oil, NF, French, bots. lb. 425.00 -575.00
Tunisian, bots. lb. 400.00 —
Nerolin, cns. lb. 2.55 - 2.85
Nevile and Winther's acid, dms., frt. alld lb. 1.30 - —
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .68½- .75½
Nickel carbonate, bbls., dlvd lb. .78¼- .85¼
Nickel chloride, bbls., dlvd lb. .37 - .45
Nickel formate, bbls., ton lots, frt, alld lb. .72 - .73
Nickel metal, electro cathodes, cs., works lb. .74 - —
Nickel nitrate, bbls., works lb. .32½- .33½
Nickel oxide, black, bbls lb. .85 - —
Green, bbls. lb. .84 - —
Nickel sulfate, bgs., c.l., dlvd lb. .28 - —
bgs., l.c.l., dlvd lb. .28½- .36
Nicotinamide, USP, 50-kilo dm., frt. adjusted kilo. 8.00 - —
Nicotinamide hydrochloride, dms., frt. adjusted kilo. 8.00 - —
Nicotine sulfate, 40% dealers, 50-lb. dms. frt alld lb. 1.20 - —
40% manufacturers, 500-lb. dms., frt. alld lb. 1.05 - —
Nicotinic acid, USP, dms., dlvd kilo. 6.00 - —
Nicotinic amide, USP (see Nicotinamide).
Niger seed, bgs lb. .10¼- —
Nikethamide, cbys. lb. 5.00 - —
Nitric acid, 36° Be., cbys., c.l., works E 100 lbs. 5.75 - —
cbys., l.c.l., works E 100 lbs. 6.05 - 6.85
38° Be., cbys., c.l. works, E. 100 lbs. 6.25 - —
cbys., l.c.l., works E. 100 lbs. 6.55 - 7.35
40° Be., cbys., c.l., works, E. 100 lbs. 6.75 - —
cbys., l.c.l., works, E. 100 lbs. 7.05 - 7.85
42° Be., cbys., c.l., works, E. 100 lbs. 7.25 - —
cbys., l.c.l., works, E 100 lbs. 7.55 - 8.35
Nitric acid, 58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.90 - —
Nitric acid, CP, NF consumer, cbys., extra, c.l., works lb. .18½- —
cbys. extra, l.c.l., works. lb. .20 - —
5-pint bots., extra, cs., c.l., same basis lb. .22½- —
5-pint bots., extra cs., l.c.l., same basis lb. .24 - .25
4-Nitro-2-aminophenol, tech., paste, dms., frt. alld lb. .99 - —
m-Nitroaniline, cryst., dms., frt. alld lb. 1.15 - —
Paste, dms., frt. alld., 100% basis, lb. 1.10 - —
o-Nitroaniline, flaked, dms. t.l., frt. alld lb. .49 - —
dms., l.t.l., frt. alld lb. .51 - —
o-Nitroaniline orange toner, kegs, lb. 1.35 - —
p-Nitroaniline, dms. frt. alld lb. .445 - —
o-Nitroanisole, tech., tanks, frt. alld, lb. .36 - —
p-Nitroanisole, tech., solid, dms., frt. alld lb. .72 - —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .13 - —
dms., t.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .11 - —
p-Nitrobenzoic acid, dms., c.l., works lb. .63 - —
dms., t.c.l., works lb. .64 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175 seconds, bbls., c.l., works lb. .37½- —
bbls., l.c.l., same basis lb. .33½- .40½
Nitrocellulose, ester-soluble, 18-20 cps., bbls., c.l., same basis lb. .39½- —
bbls., t.c.l., same basis lb. .40½- .42½
Ester-soluble, 250-400, 600-1,000 seconds, bbls., l.c.l., same basis lb. .43 - .46
Nitrocellulose, spirit soluble, 30-35 cps., ¼, ½ seconds, bbls., c.l., same basis lb. .43 - —
bbls., l.c.l., same basis lb. .44 - .46
Spirit soluble, 5-6 cps., 40-60 seconds, bbls., c.l., same basis lb. .42 - —
bbls., l.c.l., same basis lb. .43 - .45
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms., c.l., frt. alld lb. .15 - —
dms., l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
p-Nitrochlorobenzene, dms. lb. .96 - .97
2-Nitro-p-cresol, tech., dms., dlvd. lb. .88 - —
Nitroethane, dms., c.l., dlvd. E lb. .25 - —
dms., t.c.l., dlvd E lb. .26½- —
tanks, dlvd. E lb. .22½- —
Nitroethane prices West of Rockies are 1c. higher.
Nitrogen solutions, tanks, frt. equald., N. unit. 1.20 - —
Nitrogenous process tankage, bulk, works unit-ton. 4.00 Nom.
Nitrogenous sewage sludge, bulk, f.o.b. Chicago, works unit-ton. 3.10 - .50
Nitromethane, dms., t.l., dlvd. E lb. .25 - —
dms., l.t.l., dlvd E lb. .26½- —
Nitromethane prices West of Rockies are 1c. higher.
a-Nitronaphthalene, bbls., frt. alld. to. .31 - —
o-Nitrophenol, dms., works, frt. equald lo. .94 - —
p-Nitrophenol, dms., c.l., frt. alld. lb. .45 - —
dms., t.c.l., frt alld lb. .47 - —
1-Nitropropane, dms., c.l., frt. alld. E. of Rockies lb. .23½- —
dms., t.c.l., same basis lb. .25 - —
tanks, same basis lb. .21 - —
2-Nitropropane, dms., c.l., frt. alld. E. of Rockies lb. .18½- —
dms., t.c.l., same basis lb. .20 - —
tanks, same basis lb. .16 - —
Nitropropane prices West of Rockies are 1c. per lb. higher.
m-Nitrotoluene, tech., dms., frt. alld. lb. .45 - —
o-Nitrotoluene, dms., c.l., frt. alld. lb. .15 - —
dms., t.c.l., frt. alld. lb. .16 - —
tanks, frt. alld. lb. .13 - —
p-Nitrotoluene, tech., cast, tanks, works lb. .26½- —
c.l., t.l., dms., same basis lb. .27½- —
t.c.l., dms., same basis lb. .28 - —
p-Nitrotoluene, tech., flake, c.l., t.l., works lb. .27½- —
t.c.l., dms., same basis lb. .28 - —
m-Nitro-p-toluidine, dms. lb. 1.25 - —
Nonylphenol, dms., c.l., frt. alld. lb. .22 - —
dms., t.c.l., frt. alld lb. .23 - —
tanks, frt. alld lb. .19½- —
Nonylphenol prices on shipments to Western States are 2c. higher.
Nutmegs, East Indian, whole, bgs. lb. 1.38 - —
West Indian, bgs lb. 1.46 - —
Nutmeg oil, USP, dist., East Indian, cns lb. 9.50 -15.75
West Indian, cns. lb. 9.50 -15.75
Nux vomica, bls lb. .15 - —
Powd., bbls., bxs lb. .20 - .22

O

Ocher (see Iron oxide yellow, nat.).
Ocotea cymbarum, oil, dms. lb. .41 - .65
Octane, indust., tanks, Bayonne, N.J. gal. .20 - —
Borger, Tex. gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd., Zone 1 lb. .41½- —
dms., t.c.l., dlvd., Zone 1 lb. .43½- —
tanks, dlvd., Zone 1 lb. .39 - —
Octyl alcohol, perfumers' grade, bots lb. 1.60 - 3.25
Octyl alcohol, tech, (see 1-Octanol, tech).
Octyl phenol, bgs., c.l., works lb. .22 - —
bgs., t.c.l., works lb. .22½- —
tanks, works lb. .21 - —
Octyl phenol in dms. 11c. higher.

Oils

Oil quotations are listed individually. For example, prices on Oil, coconut, may be found in the C's under Coconut oil.

Oiticica oil, liq., dms. lb. .22 - .22½
tanks lb. .20½- —
Oleic acid, dbl.-dist. (white), dms. lb. .18½- .21
tanks lb. .16 - —
Single-dist., dms. lb. .17¼- .19¾
tanks lb. .14¾- —
Oleo oil, extra, dms lb. .15 - .15¼
Oleostearine, dms. lb. .13¾- .14
Oleum (see Sulfuric acid, fuming).
Olibanum gum, siftings, cs. lb. .13 - .20
Tears, cs. lb. .22 - .30
Olibanum oil, bots. lb. 5.00 - 7.65
Extra fine, bots lb. 8.00 - 9.50
Olive oil, edible, dms., spot, duty-paid gal. 2.35 - 2.45
Olivine, crude, works ton. 12.00 - —
20 mesh, works ton. 15.00 - —
100 mesh, works ton. 20.00 - —
Opium, USP, cns oz. 19.20 -19.45
gran., cns. oz. 21.65 -21.90
powd., cns. oz. 21.65 -21.90
Orange oil, expressed, USP, Brazilian, cns., dms lb. No stocks.
California, cns., dms lb. .85 - .90
Florida, cns., dms. lb. .70 - 1.25
Messina, cns. lb. 3.25 - 5.00
West Indian, bitter, cns., dms. lb. 3.25 - 3.85
Sweet, dist., cns., dms lb. .65 - .70
Orange peel, bitter, Haitian, bls. lb. .18 - .20
Sweet lb. .35 - .38

Orange Pigments

Orange pigment quotations are listed individually. For example, prices on Orange, chrome, may be found in the C's under Chrome orange.

Origanum oil, Spanish, cns lb. 1.80 - 2.30
Orris root, Florentine, bls. lb. .55 - —
powd., bbls., bxs. lb. .65 - —
Verona, bls. lb. .35 - —
powd., bbls., bxs. lb. .45 - —
Orthoanisidine (see o-Anisidine).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroaniline (see o-Chloroaniline).
Orthochlorobenzoic acid, (see o-Chlorobenzoic acid).
Orthochloroparanitroaniline (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthocresotinic acid (see 2,3-Creosotic acid).

Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroaniline (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitroparachlorophenol (see 2-Nitro-4-Chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidine (see o-Phenetidine).
Orthophenylphenol (see o-Phenyl phenol).
Ortho-tertiary amylphenol (see o-tert-Amylphenol).
Orthotolidine (see o-Tolidine base).
Orthotoluidine (see o-Toluidine).
Ouabain, USP, bots. gram 3.00 - 4.00
Ouricury wax, crude, bgs. lb. .77 - .78
Refd., pure, bgs. lb. .83 - .85
Oxalic acid, bgs., dms., c.l., works. lb. .18 - .18½
bgs., dms., 10,000-lb. lots, works. lb. .18¼ - .18¾
bgs., dms., smaller lots, works. lb. .19¼ - .19¾
b-Oxynaphthoic acid, fib dms., 250 lbs. or more, frt. alld., lb. 1.14 - 1.17
Oxyquinolin sulfate, cns., 100-lb. lots, works, lb. 4.75 - 5.00
cns., smaller lots, works lb. 4.92 - 5.17

P

Palm oil, clarif., dms. lb. .16 - .17
tanks lb. .1340- —
Palm oil acid, dist., dms. lb. .15¾- .19¼
tanks lb. .13¾- .14¼
Palmarosa oil, cns. lb. 3.75 - 4.00
Papain, NF, powd. lb. 6.00 - 7.00
Papaverine hydrochloride, nat. or syn., USP, cns., 25-oz. to 100-oz. lots oz. 5.00 - —
cns., smaller lots oz. 5.05 - 5.20
Papaverine sulfate, nat. or syn., USP, cns. oz. 7.10 - 7.35
Paprika, Bulgarian bgs. lb. .34 - .35
Hungarian, bgs. lb. .34 - —
Spanish, bgs. lb. .50 - —
Yugoslavian, bgs. lb. .34 - —
Para-aminobenzoic acid (see p-Aminobenzoic acid).
Parachlorobenzoic acid (see p-Chlorobenzoic acid).
Paramethylphenylcinchonic acid (see Neocinchophen).
Paranitrobenzoic acid (see p-Nitrobenzoic acid).
Paratoluidinemetasulfonic acid (see p-Toluidine-m-sulfonic acid).
Para-aminophenol (see p-Aminophenol).
Parachloro-orthonitroaniline (see 4-Chloro-2 nitroaniline).
Para-anisidin (see p-Ansidine).
Parachloraniline (see p-Chloraniline).
Parachlorobenzaldenyde (see p-Chlorobenzaldehyde).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Para toner, red, bbls. lb. 1.21 - —
Chlorinated, kgs. lb. 1.35 - —
Paraffin, crude, scale, white, 123°-127°F, ASTM, tanks, refy. lb. .0655- —
Paraffin, fully refd., 122°-124°F, ASTM, tanks, refy. lb. .0765- —
125°-127°F, ASTM, tanks, refy. lb. .0765- —
130°-132°F., ASTM, tanks, refy. lb. .0765- —
132°-134°F., ASTM, tanks, refy. lb. .0765- —
135°-137°F., ASTM, tanks, refy. lb. .0763- —
AMP temperatures are an arbitrary 3°F. higher than ASTM.
Paraffin oil, pale, 100-110 vis. at 100°F., tanks, east coast refy. gal. .14 - —
Paraffin wax (see Paraffin).
Paraformaldehyde, 91%, flake, bgs., c.l., frt. alld lb. .0955- —
bgs., l.c.l., frt. alld. lb. .1155- .1255
91%, powd., bgs. c.l., ex whse lb. .167 - —
bgs., l.c.l., ex whse. lb. .182 - —
USP-X, fib. dms., c.l. lb. .19 - —
fib. dms., 1,000-lb. lots. lb. .20 - —
fib. dms., smaller lots lb. .21½- —
Paraldehyde, tech., 98%, 55-gal. dms., t.l., dlvd lb. .14 - —
55-gal. dms., l.c.l., dlvd lb. .15 - —
tanks, dlvd. lb. .11½- —
Paranitroaniline (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrotoluene (see p-Nitrotoluene.
Paranitrophenol (see p-Nitrophenol).
Paraphenetidine (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol)
Parathion, ethyl, dms., frt. alld. lb. .84 - —
Parathion prices 2c. per lb. higher in West.
Paratoluenesulfonamide (see p-Toluenesulfonamide).
Paris green, dealers, 100 lb. dms., frt. alld lb. .45 - —
Passion flower herb, bls. lb. .50 - .55
mills ton.63.00 - —
Patchouli oil, imp., cns. lb. 4.80 - 5.25
Peach kernel oil, USP (see Apricot kernel oil)
Peacock blue, fugitive, 100% color strength, 250-lb., bbls., dlvd. E. of Rockies lb. 1.00 - —
Peacock blue price 1c. higher W. of Rockies.
Peanut meal, 45%, old process, bgs., mills ton.53.00 - —
Peanut oil, crude, tanks, f.o.b. mills. lb. .13¾- —
Refd., dms. lb. .19¼- -19½
tanks lb. .17¼- —
Pectin, dom., NF, citrus, powd., bbls. lb. 2.05 - 2.06
tech., powd., 150 jelly grade. lb. 1.28 - —
Imp., Danish, ex whse lb. 1.28 - —
Penicillin potassium, cryst., bulk, 1,000,000 units. .027 - .028
Penicillin, procaine, bulk 1,000,000 units. .027 - .028
Pennyroyal oil, USP, imported, cns. lb. 2.30 - 3.10
Pentachlorophenol, bgs., c.l., t.l., works, frt. equald lb. .21 - —
bgs., l.c.l., same basis lb. .22½- .29
Pentachlorophenol in dms. 1c. higher.
Pentaerythritol, tech., bgs., c.l., dlvd lb. .31 - —
bgs., l.c.l., dlvd lb. .32 - —
Pentaerythritol, di- and tri- isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, indust., tanks, Tex. refy. gal. .14 - —
Pentobarbital, dms., 100 lbs. or more lb. 6.00 - —
Pepper, black, Malabar, bgs. lb. .24¾- —
black, Lampong, bgs. lb. .24½- —
Red, Funtuas, bgs. lb. .30 - —
Japanese, Hontaka, bgs. lb. .30 - —
Santaka, bgs. lb. .30 - —
Sudanese, bgs. lb. .36 - —
White, Muntok, bgs. lb. .45 - —
Peppermint leaves, dom., USP, bls., dms lb. .70 - .75
Imp., USP., bls. lb. .85 - —
Peppermint oil, nat., dms. lb. 3.70 - 4.65
Redist., USP, dms. lb. 3.90 - 5.15
Perchloroethylene, dms., c.l. or t.l., dlvd lb. .13½- —
dms., l.c.l., dlvd lb. .15¼- —
tanks, dlvd. lb. .11¾- —
tanktruck, 1,000 gal. min. dlvd. lb. .12¼- —
Peri acid, dry, bbls., frt. alld. lb. 1.60 - —
Paste, bbls., frt. alld. lb. 1.55 - —
Peru balsam, dms. lb. 1.06 - —
Persic oil, USP (see Apricot kernel oil).
Petitgrain oil, South American cns., dms. lb. 2.45 - 3.20
Petrolatum, cream, dms., c.l., refy. lb. .03125- —
dms., l.c.l., dlvd. lb. .10125-.11375
tanks, refy. lb. .05875- —
Extra amber, dms., c.l., refy. lb. .07125- —
dms., l.c.l., dlvd. lb. .09125-.10375
tanks, refy. lb. .04875- —
Lily white, dms., c.l., refy. lb. .08625- —
dms., l.c.l., dlvd. lb. .10625- .12
tanks, refy. lb. .06735- —
USP, snow white, dms., c.l., refy. lb. .09125- —
dms., l.c.l., dlvd. lb. .11125- .123
tanks, refy. lb. .06875- —
USP, soft yellow, dms., c.l., refy. lb. .07125- —
dms., l.c.l., dlvd. lb. .095 - .10375
tanks, refy. lb. .04875- —
Petroleum pitch (see Asphalt, petroleum).

Petroleum Products

Petroleum product quotations are listed individually. For example, prices on Petroleum, mineral spirits, may be found in the M's under Mineral spirits, petroleum.

Petroleum sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works lb. .16½- .18¾
non-ret. dms., l.c.l., works lb. .17½- .19
tanks, works lb. .14½- .17
50-55%, sulfonic content, non-ret. dms., c.l., works lb. .16 - —
non-ret. dms., l.c.l., works lb. .17 - —
tanks, works lb. .13 - —
o-Phenetidine, dms. c.l., frt. alld. E lb. .91 - —
dms., l.c.l., same basis lb. .93 - —
p-Phenetidine, dms., c.l., frt. alld. lb. 1.05 - —
dms., same basis lb. 1.08 - —
Phenobarbitol, USP, dms., 100-lb. lots lb. 3.25 - —
Phenobarbital-Sodium (see sodium phenobarbital).
Phenol, 90-92% (cresol 8-10%) non-ret. dms., frt. alld. E of Rockies lb. .16¾- —
non-ret. dms., l.c.l. same basis. lb. .17¾- —
tanks, same basis lb. .14¾- —
82-84% (cresol 16-18%). non-ret, dms., c.l., same basis lb. .16½- —
non ret. dms., l.c.l., same basis. lb. .17½- —
tanks, same basis lb. .14½- —
39°C. or above, tar acidstilled, non-ret. dms., c.l., same basis lb. .18 - —
non-ret. dms., l.c.l., same basis. lb. .19 - —
tanks, same basis lb. .16 - —
USP, syn., dms., c.l., t.l. frt. alld. lb. .18½- —
dms., same basis lb. .20½- —
tanks, same basis lb. .16½- —
Phenolnhthalein, USP or yellow, 250-lb. dm., 2,000 lbs., frt. alld. lb. 1.30 - —
250-lb. dm., same basis lb. 1.35 - —
Phenothiazine drench. fib dms., t.l., dlvd lb. .44 - —
fib. dms., l.t.l., same basis lb. .47 - —
NF, fib. dms., t.l., same basis lb. .43 - —
fib. dms., l.t.l., same basis lb. .46 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Phenyl salicylate (see Salol).
Phenylacetaldehyde, soln., 50%, bots lb. 2.95 - —
100%, bots. lb. 4.00 - 4.65
Phenylacetic acid, pure, cryst., cns. lb. 1.25 - 1.75
dl-Phenylalanine, dms. works lb. 27.00 -37.50
l-Phenyl-3-carbethoxy pyrazolone-5, fib. dms. 200-lb. lots dlvd E. lb. 3.45 - —
fib. dms., smaller lots, dlvd. E lb. 3.80 - —
N-Phenyldiethanolamine, dms., c.l., dlvd. E lb. .41 - —
dms., l.c.l., dlvd. E lb. .42½- —
tanks, dlvd. E lb. .38½- —
m-Phenylenediamine, dms. frt. alld. lb. 1.10 - —
o-Phenylenediamine comi., 100 to 1,000 lbs., fib. dms., works lb. 1.70 - 1.80
p-Phenylenediamine, refd., dms., works lb. 1.42 - —
Tech., dms., works lb. 1.40 - —
Phenylethanolamine, dms., c.l., works lb. .75½- —
dms., l.c.l., same basis lb. .77 - —
Phenylethyl acetate bots. lb. 1.30 - 1.60
2-Phenylethyl alcohol, extra, dms. lb. 1.14 - 1.50
Standard, dms. lb. 1.10 - 1.60
b-Phenylethylamine, dms., 20,000 lbs. or more, frt. alld. lb. 1.50 - —
dms., smaller lots, frt. alld. lb. 1.70 - 1.85
Phenylethylphenyl acetate, bots. lb. 4.00 - 4.25
Phenylglyconic acid (see Mendelic acid).
Phenylhydrazine, 97%, 450-lb. dms. lb. 1.43 - —
1-Phenyl-3-methyl pyrazolone-5, fib. dms., 250-lb. lots, dlvd. E lb. 1.80 - —
fib. dms., smaller lots, dlvd. E lb. 2.10 - —
o-Phenylphenol, dms., l.c.l., works. lb. .48 - .50
p-Phenylphenol, bgs., c.l., works lb. .38½- —
bgs., l.c.l., works lb. .43 - —
Philippine copal gum, pale, chips, bgs lb. .23¾- .26
nubs, bgs. lb. .33¼- .37
seeds, bgs. lb. .20 Nom.
sorts, bgs. lb. .22¾- .25
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
CP, bots., works lb. 17.75 - —
Tech., fib. dms., works lb. 10.45 - —
Phloxin red toner (see Eosin red toner).
Phosgene, ret. cyls., works lb. .15¼- —
Phosphate, defluorinated (see under D).
Phosphate rock, Curacao, Atlantic ports, New Orleans ton. 48.00 - —
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 66-68%, b.p.l., bulk, c.l., mines. long-ton. 5.16 - —
68-70%, b.p.l., bulk, c.l., same basis long-ton. 5.56 - —
70-72%, b.p.l., bulk, c.l., same basis long-ton. 6.21 - —
74-75%, b.p.l., bulk, c.l., same basis long-ton. 7.21 - —
76-77%, b.p.l., c.l., bulk, same basis long-ton. 8.21 - —
Above Florida prices are based on fuel oil at $2.37 per bbl. and labor at $1.52.
Phosphoric acid, food grade, 75%, cbys., c.l., works, E., frt. equald 100 lbs. 7.00 - —
cbys., l.c.l., same basis. 100 lbs. 7.25 - 7.75
tanks, t.w., works 100 lbs. 5.60 - —
80%, cbys., c.l., frt. equald 100 lbs. 7.85 - —
cbys., l.c.l., works 100 lbs. 8.10 - 9.35
tanks, t.w., works 100 lbs. 6.00 - —
NF, 85%, cbys., c.l., works. 100 lbs. 8.50 - —
cbys., l.c.l., works 100 lbs. 8.75 - 9.00
tanks, t.w., works 100 lbs. 6.63 - —
Phosphorus, amorph., red, dms., t.l., works lb. .53 - —
dms., smaller lots, works lb. .56 - .57
Phosphorus, amorph., white (yellow), solid, dms., c.l., works, frt. equald lb. .20 - .20½
dms., l.c.l., works, frt. equald lb. .21½- —
tanks, works, frt. equald lb. .19 - —
Phosphorus oxychloride, dms., c.l., works lb. .14 - —
dms., l.c.l., works lb. .15 - —
tanks, works lb. .12½- —
Phosphorus pentasulfide, powd., dms., c.l., works lb. .13½- —
dms., l.c.l., works lb. .14½- .15½
Solid, dms., c.l., works lb. .11½- —
dms., l.c.l., works lb. .12½- .13½
Phosphorus pentoxide, dms., c.l., works lb. .1395- .1450
dms., l.c.l., works lb. .1550- .1650
Phosphorus sesquisulfide, dms., cs., c.l., works lb. .38 - —
dms., l.c.l., works lb. .39 - .40
Phosphorus trichloride, dms., c.l., works lb. .14 - —
dms., l.c.l., works lb. .15 - —
tanks, works lb. .12½- —
Phthalic anhydride, bgs., c.l., works, frt. equald lb. .17 - —
bgs., l.c.l., same basis lb. .18 - —
tanks, same basis lb. .16½- —
Phthalimide, 97-98%, dms., frt. alld lb. .65 - —
Phthalocyanine blue, full strength, bbls, dlvd. E. of Rockies lb 2.90 - —
Resinated, bbls., same basis lb. 2.75 - —
Water dispersable, bbls., same basis lb. 1.52 - —
Pythalocyanine blue prices 1c. higher W of Rockies.
Phthalocyanine green toner, bbls., works lb. 3.35 - —
Resinated, bbls lb. 3.00 - —
Water dispersable, bbls lb. 1.71 - —
Phthalocyanine green prices 1c. higher W. of Rockies
Phthalylsulfacetamide, fib. dms., 1,000-lb. lots or more lb 5.00 - —
NF, fib. dms. lb 5.20 - —
a-Picoline, dms., c.l., works, frt. equald lb. .43 - .43½
dms., l.c.l., works, frt. equald lb. .44 - —
tanks, same basis lb. .415 - .422
b-Picoline, 98%, dms., t.l., works. lb. 1.05 - —
dms., l.c.l., same basis lb. 1.15 - —
tanks, same basis lb. .95 - —
b,g-Picoline, 5°C. dms., c.l., works. lb. .32½- —
dms., l.c.l., works lb. .33 - —
g-Picoline, tanks, f.o.b., works lb. 1.50 - —
dms., t.l., same basis lb. 1.60 - —
Picric acid, NF, bbls. lb. .85 - —
Tech, bbls. lb. .44 - —
Pigment green B, kgs. lb. 1.45 - —
Pilocarpine hydrochloride, USP bots oz. 5.25 - —
Pilocarpine nitrate, USP bots., vials. oz. 5.15 - —
Pimento, Jamaican, bgs lb. .68 - —
Mexican, bgs. lb. .57 - —
Pimento berry oil, NF, dms. lb. 3.75 - 9.25
Pimento leaf oil, cns lb. 2.10 - 2.48
Pine oil, dest.-dist., dms., l.c.l. works lb. .15 - —
dms., l.c.l. ex whse New York. lb. .173 - —
Pine oil, steam-dist., dms., ex whse, New York lb. .185 - —
dms., dlvd. lb. .188 - —
Pineneedle oil, Siberian (see Abies Siberica oil)
Pinetar oil, coml., dms., c.l., works. lb. .0561- —
dms., l.c.l., works lb. .0634- —
dms., c.l., ex whse. New York. lb. .0745- —
tanks, works lb. .046 - —
Pinetar oil, NF, rectified, dms., incl., l.c.l., works, South. lb. .40 - —
dms., l.c.l., ex whse, New York lb. .41½- —
Refd., dms., incl., l.c.l., works lb. .35 - —
dms., incl. l.c.l., ex whse. New York lb. .36½- —
Pink root, bls. lb. 1.75 - —
Piperazine, anhyd., dms., t.l., frt. alld lb. 1.60 - —
dms., l.c.l., same basis lb. 1.63 - —
Piperazine citrate, 36%, dms., 1,000 lbs. or more, frt. alld. lb. 1.04 - —
Piperazine dihydrochloride, 51%, dms., 1,000 lbs. or more, frt. alld. lb. 1.12 - —
Piperazine hexanydrate, 44%, dms., 1,000 lbs. or more. frt. alld. lb. .77 - —
dms., l.t.l., same basis lb. .90 - —
Piperazine phosphate, 42%, dms., 1,000 lbs or more., frt. alld. lb. .96 - —
Piperidine, dist., 98% min., dms., frt. equald lb. 2.70 - —
Piperonyl butoxide, dms., dlvd. E. lb. 4.50 - 5.05

Pitches

Pitch quotations are listed individually. For example, prices on Pitch, soybean, may be found in the S's under Soybean pitch.

Plaster of Paris (see Gypsum).
Platinum metal, works oz. 75.00 -80.00
Pleurisy root, bls. lb 45 .50
Podophyllum resin, NF, dms. lb. 15.60 - —
Poke root, bls. lb. .19 .22
Polymyxin, bulk, bots., 50 billion units or more 1,000,000 units. .52 —
bulk, bots., 25-50 billion units. 1,000,000 units. .54 - —
bulk, bots., 1-25 billion units. 1,000,000 units. .56 —
Polyoxyethylene sorbitan monostearate, dms. 20,000-lb. lots, works lb. .42 —
dms., 10,000-20,000-lb. lots, works. lb. .44 —
dms., smaller lots, works lb. .47 .49
Polyoxyethylene sorbitan tristearate, dms., 20,000-lb lots, works. lb. .42 —
dms., 10,000-20,000-lb. lots, works lb. .44 —
dms., smaller lots, works lb. .47 .49
Pontianak copal gum chips bgs lb. .26 —
Nubs, bgs. lb. .27 .40
Poppy seed, Argentine, bgs. lb No stocks.
Dutch, bgs. lb. .20 - —
Danish, bgs. lb. .19 - —
Polish, bgs. lb. .20 - —
Turkish, bgs. lb. .18 - —
Potash, caustic, liq., 45% basis, dms., c.l., works 100 lbs. 4.25 —
dms., l.c.l., same basis 100 lbs 5.05 —
tanks, same basis 100 lbs 3.70 —
flake, 88-92%, dms., c.l., same basis 100 lbs. 9.15 - —
dms., l.c.l., same basis, 100 lbs. 10.20 - —
Potash, solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
dms. l.c.l. works 100 lbs 9.75 —
Potassium acetate, NF, 200-lb. dm., f.o.b. works E lb. .31 - —
Potassium bicarbonate, USP, gran. dms lb. .22 —
USP, powd., dms. lb. .24 —
Potassium bichromate, gran., bgs., c.l., t.l., works lb. .18 —
bgs., l.c.l., works lb. .18½- .19¼
Potassium bichromate in dms. ¾c. higher.
Potassium bitartrate, dom., NF, gran. or powd., dms., c.l lb. .40 —
dms., 5,000 lbs., 1 shipt. lb. .40½- —
dms., smaller lots lb. .41 .43
Imp., NF, gran. or powd., kgs. lb. .29 - —
Potassium borohydride, powd., ums., works lb. 16.00 -22.00
Pelletized postassium borohydride $1.25 per lb. higher in 1,000-lb. lots.
Potassium bromate, dms., 1,000-lb. lots or more, works lb. .50 - —
dms., smaller lots, works lb. .52 .62
Potassium bromide, USP, gran. bbls., kgs lb. .39 .40
Potassium carbonate, dom., NF, gran., bbls dms lb. .20 —
Potassium carbonate, dom., tech., powd., bbls., dms lb. .21 - .22
calcined bgs. c.l. works 100 lbs 8.50 - —
bgs., l.c.l., same basis 100 lbs. 9.53 - —
Potassium carbonate, hydrated, 83-85%, bgs., c.l., works. 100 lbs. 7.10 - —
bgs., l.c.l., works 100 lbs. 8.15 - —
Potassium chlorate, cryst., dms., c.l., works lb. .12¼- —
dms., l.c.l., works lb. .13½- .14¼
Powd., dms. c.l., works lb. .12¾- —
dms., l.c.l., works lb. .14 - .15
works lb. .12¼- —
Potassium chlorate, NF, cryst., dms., 2,000 lbs or more works. lb. .16¾- —
NF, gran. 25-lb. metal dms lb. .38 —
NF, powd., dms., 2,000 lbs. or more, works lb. .17¼- —
Potassium chloride, indust., 99.9% KCL, bulk, c.l., works ton. 29.00 - —
bgs., c.l., works ton. 33.50 - —
99.3% KCL, bulk, c.l., works. ton. 27.00 - —
bgs., c.l., works ton. 31.50 - —
USP, cryst., dms. lb. .20 - .22
USP, gran., dms. lb. .21 - .23
USP, powd., dms. lb. .24 - .26
Potassium chloride, agricultural (see Potassium muriate)
Potassium chromate tech., dms., works lb. .50 - .51
Potassium citrate, USP, gran., dms. lb. .43 - —
powd., dms. lb. .40½- .41¼
Potassium cyanide, dms. 20,000-lb. lots or more, works lb. .42½- —
dms., 2,000-19,999-lb lots, works. lb. .43 - —
dms., smaller lots, works lb. .44 - .44½
Potassium dichromate (see Potassium bichromate)
Potassium ferricyanide, dms., ton lots, works lb. .50 - —
dms., smaller lots, works lb. .65 - —
Potassium ferrocyanide, dms., ton lots lb. .24½- —
dms., smaller lots lb. .29 - —
Potassium fluoborate, fib dms., c.l., works lb. .30 - —
fib. dms., t.c.l., works lb. .31 - —
Potassium fluoride, dms., works lb. .37 - .38
Potassium gluconate, dms. lb. 1.67 - —
Potassium guatacol sulfonate, NF, dms lb. 2.10 - 2.30
Potassium hydroxide, tech. (see Potash caustic).
Potassium hydroxide, USP, pellets, 100-lb. dms., 1 to 100-dm. lots lb. .33½- .38
Potassium hypophosphite, NF, fib. dms., 1,000-lb. lots lb. 1.38 - —
Potassium iodide, USP, cryst., or gran., fib. dms lb. 1.40 - —
Potassium manure salt, 22% K_2O, bulk, c.l., works unit-ton. .17 - .1765
Potassium metabisulfite, gran., dms. lb. .16 - —
Powd., dms. lb. .27 - —

Potassium muriate, standard, bulk, c.l., works unit-ton. .34½- .36½
bagged, 60% minimum K₂O, same basis ton.25.60 -27.80
Gran., bulk, c.l., works unit-ton. .35 - .37
bagged, 60% minimum K₂O, same basis ton.25.90 -27.10
Inside prices apply to material contracted for prior to July 1, 1958.
Outside prices apply to material contracted for after that date but also for delivery during the current month.
Potassium nitrate, NF, cryst., bbls., 20-ton lots 100 lbs.17.00 - —
bbls., smaller lots 100 lbs.18.00 -19.00
NF, gran., bgs., 20-ton lots. 100 lbs. 9.50 - —
bgs., smaller lots 100 lbs.11.00 -12.00
NF, powd., bgs., 20-ton lots. 100 lbs.10.50 - —
bgs., smaller lots 100 lbs.12.00 -13.00
Potassium oxalate, neutral, tech., fine gran., bbls., dms lb. .32 - .34
Potassium pentaborate, gran., dms., c.l., works ton.219.50 - —
dms., ton lots, ex whse. ton.311.00 - —
dms., smaller lots, ex whse ton.316.00 - —
Powdered potassium pentaborate $10 per ton higher.
Potassium perchlorate, dms., c.l., works lb. .18½- —
dms., l.c.l., works lb. .19 - .20

Potassium permanganate, coml., kgs., works lb. .26 - .29
USP, dms., works lb. .29¼- .31
Potassium persulfate, dms., c.l., works lb. .17½- —
dms., l.c.l., works lb. .18 - .21
Potassium pyrophosphate, tetrabasic, dms., works lb. .15½- .18½
Potassium prussiate red (see Potassium ferro-cyanide).
Potassium prussiate yellow (see Potassium ferro-cyanide).
Potassium silicate, electrical grade, 30° Be, 1:2.0, dms., c.l., works 100 lbs. 6.50 - —
dms., l.c.l., 5 dm. lots or more, works 100 lbs. 7.25 - 7.65
tanks, works 100 lbs. 6.15 - —
40.5° Be, 1:2.1, dms., c.l., works. 100 lbs. 5.95 - —
dms., l.c.l., 5 dm. lots or more works 100 lbs. 6.70 - —
tanks, works 100 lbs. 5.60 - —
Potassium silicate, glass grade, bgs., c.l., works 100 lbs.17.30 -18.15
bgs., l.c.l., works 100 lbs.17.80 - —
Potassium silicate, soln., 29° Be, 1:2.5, dms., c.l., works. 100 lbs. 4.95 - —
dms., l.c.l., 5-dm. lots or more, works 100 lbs. 5.70 - —
tanks, works 100 lbs. 4.60 - —
Potassium silicofluoride, bgs., works lb. .09½- .10
Potassium silicofluoride in drums, 0.4c. per lb. higher.

Potassium stannate, dms., frt. alld. E lb. .789 - .861
Potassium sulfate, agricultural, bulk, c.l., works unit-ton. .67½- .69½
Inside price applies to tonnage contracted for prior to July 1, 1958.
Outside price applies to tonnage contracted for after that date but also for delivery during the current month.
Potassium sulfate, NF VII, cryst., dms lb. .31 - .33
NF VII, gran., dms lb. .18½- —
NF VII, powd., dms lb. .16 - .17
Potassium sulfocyanate, NF, cryst. (see Potassium thiocyanate).
Potassium thiocyanate, NF, cryst., dms., works lb. .96 - .98
Tech., dms., works lb. .77 - .79
Potassium titanate, ctns., c.l., works. lb. .16¼- —
ctns., 5-ton lots, works lb. .16½- —
ctns., 1-ton lots or less, works lb. .16¾- —
Potassium-magnesium sulfate, basis 40%K_2SO_4 and 18% MgO, bulk, works, base price ton.13.45 - —
bulk, works, July forward ton.14.00 - —
Potassium-sodium tartrate, NF, gran. or powd., dms., f.o.b. works lb. .42½- —
dms., 5,000-lb. lots, same basis. lb. .43 - —
dms., smaller lots, same basis. lb. .43½- .49
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
fib. dms., l.c.l., works lb. .52½- .55

Potato starch (see Starch, potato).
Pregnenolone, bots. gram. No prices
Pregnenolone acetate, bots. gram. No prices
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld. lb. 2.60 - —
dms., 100-500 lb. lots lb. 2.95 - 3.15
Progesterone, USP, bots. gram. No prices.
Progesterone acetate, bots. gram. No prices.
Propane, indust., tanks, group 3. gal. .05 - —
tanks, Baton Rouge gal. .05375- —
tanks, New York harbor gal. .1005- —
(¼c. discount offered).
Propenyl guaethol, dms. lb.24.30 -27.00
Propionic acid, syn., pure, dms., c.l., works lb. .23¼- —
dms., l.c.l., works lb. .24¼- —
tanks, works lb. .20¾- —
n-Propyl acetate, dms., c.l., dlvd. lb. .14¾- —
dms., l.c.l., dlvd. lb. .16¼- —
tanks, dlvd. lb. .12¼- —
n-Propyl alcohol, dms., c.l., dlvd lb. .14 - —
dms., l.c.l., dlvd. lb. .15½- —
tanks, dlvd. lb. .11½- —
n-Propyl gallate, dms., 100 to 2,000-lb. lots, works lb. 3.90 - 4.40
n-Propyl-p-hydroxybenzoate, USP, dms lb 2.30 - 2.40
Propyl thiouracil, bots., 50 kilo lots or more kilo.55.00 - —
bots., smaller lots kilo.55.10 -55.30
n-Propylamine, dms., c.l., dlvd lb. 1.24 - —
dms., l.c.l., same basis lb. 1.255 - —
Propylene dichloride, consumers' dms., c.l., dlvd. E lb. .0845- —
dms., l.c.l., same basis lb. .0995- —
tanks, same basis lb. .07 - —
Propylene dichloride prices in West 1c. higher, same basis.
Propylene glycol, indust., dms., c.l., dlvd. E lb. .16 - —
dms., l.c.l., same basis lb. .17 - —
tanks, same basis lb. .13½- —
USP, dms., c.l., dlvd. E lb. .18 - —
dms., l.c.l., same basis lb. .19 - —
tanks, same basis lb. .15½- —
Propylene glycol methyl ether, dms., c.l., dlvd lb. .20 - —
dms., l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Propylene oxide, dms., c.l., dlvd. E, lb. .18 - —
dms., l.c.l., dlvd. E lb. .19 - —
tanks, dlvd. E lb. .15½- —
Psyllium seed, black, bgs. lb. .32 - .34
Blonde, bgs. lb. .18 - .20
Husks, bgs. lb. .40 - —
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .03¾- .04¼
bgs., smaller lots lb. .03¾- —
Pumice, imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs. ton lots lb. .04 - —
sun dried, coarse, bgs. ton.60.00 - —
fine, bgs. ton.60.00 -70.00
Pumpkin seed, bgs. lb. .25 - .26
Pyrethrins, syn. (see Allethrin).
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bgs., ton, works.lb.48.00 - —
Powd., 1.3% pyrethrins, bags, ton, works lb. .69 - —
Pyrethrum liquid, 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 9.35 - 9.45
100/1 basis (10 grams pyrethrins per 100cc odorless base), dms., works gal.44.75 -45.25
Pyrethrum oleoresin, dewaxed, 20% dms., works lb.10.60 -10.95
purif., 20%, dms., works lb.10.60 -10.95
Pyridine, denat., dms. c.l., works and frt equald gal. 2.77 - —
dms. l.c.l., same basis gal. 2.80 - —
Refd., 2° non-ret. dms. l.c.l., same basis lb. .75 - —
Pyridoxine hydrochloride, bots. 500-gram lots or more kilo.175.00 - —
Pyrites, Canadian, 48-50% S, mines, long-ton. 5.00 - 6.00
Pyrocatechol (see Catechol)
Pyrogallic acid, NF (see Pyrogallol).
Pyrogallic acid, tech., bbls. lb. 3.17 - 3.25
Pyrogallol, NF 100 lb. dms. lb. 3.50 - —
Pyroxylin, USP, bots. lb. 9.50 - —

Q

Quassia chips lb. .10 - —
Quercetin, fib. dms. kilo lots kilo.26.40 - —
Quicksilver (see Mercury metal)
Quince seed, bgs lb. 1.15 - 1.80
Quinidine sulfate, USP, cns oz. .74½- .77
Quinine, NF, cns., 100-oz. lots oz. .34 Nom.
Quinine bisulfate, USP, cns oz. .27½- .29
Quinine hydrochloride, cns oz. .289 - .304
Quinine sulfate, USP, cns oz. .27½- .29
Quinoline, dms., c.l., frt. equald lb. .50¾- —
dms., l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt, paste, dms. frt. alld., 100% basis lb. .88 - —
Powd. frt. alld. 100% basis lb. .98 - —
Rapeseed oil, dms lb. .15¼- .15½
tanks lb. .13¾ Nom.
Rare earth oxalate, 45-50%, bgs., works lb. 1.00 - —
Rauwolfia serpentina root, powd., bbls., dms lb. 1.00 - 1.20
Red carmine, No. 40 (see Carmine).
Red oil (see Oleic acid)

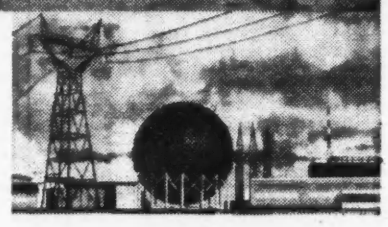
Red Pigments
Red pigment quotations are listed individually. For example, prices on Red, lithol toner, may be found in the L's under Lithol red toner.

Red precipitate (see Mercuric oxide, red).
Reserpine, cryst., bots. gram. 1.25 - —
Resorcinol, tech grade, dms., c.l., works, frt. equald lb. .77½- —
dms., l.c.l., same basis lb. .78½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Resorcinol monoacetate, NF, dms. lb. 2.50 - —
Rhatany root, bgs. lb. .14 - .16
Rhodamine red toner, molybdated, PMA, kgs lb. 6.00 - —
Tungstated, PTMA, works, kgs lb. 6.60 - —
Rhodinol, 5-lb. cans lb.42.00 -46.00
Synthetic lb.14.00 -16.00
Rhubarb root, India, whole, bgs. lb. .25 - —
powd., bgs. lb. .36 - —
Riboflavin, USP, fib. dms., kilo or more, dlvd. kilo.36.00 - —
USP, readily soluble, bots., dlvd. kilo.130.00 - —
Riboflavin, 5-phosphate-sodium, fib. dms., kilo or more dlvd. kilo.104.80 - —

Now! Trona®

SODIUM CHLORATE

from Aberdeen, Mississippi



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The big news in sodium chlorate is TRONA's new electrochemical plant, now on stream at Aberdeen, Mississippi. This latest AP&CC facility provides faster and better service to the South's growing pulp and paper production centers, as well as further assurance of dependable sodium chlorate supply for other important markets in such fields as agriculture, uranium ore processing and solid propellant fuels. Aberdeen's readily expandable, initial capacity of 15,000 tons per year, added to the $NaClO_3$ production capability of Trona's Henderson, Nevada, plant makes American Potash & Chemical Corporation the largest domestic supplier of sodium chlorate... capable of meeting *all demands* from expanding commercial and military users. *Further information on Trona's sodium chlorate service and production capabilities at Aberdeen is available from your nearest AP&CC branch office.*

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THORIUM • CERIUM • RARE EARTHS • *and other diversified chemicals for Industry and Agriculture*

Rice bran oil, clarified, dms., t.c.l. lb. .15¼- —
tanks, dlvd. E lb. .13½- —
Ricinoleic acid (see Castor oil acids split).
Rochelle salt (see Potassium-sodium tartrate).
Roofing pitch (see Coaltar pitch roofing).
Rose oil, nat., Bulgarian, bots oz.72.00 • —
Turkish, bots. oz.55.00 -58.00
Rosemary oil, Spanish, NF, cns., dms. lb. .97 • 1.65
tech., cns., dms. lb. .50 • 1.20
Rosin, gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib. cms., works, unit-lb. .12 • —
Resin, 25-45%, fib. dms., works, unit-lb. .12 • —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03¾- —
bgs., ton lots same basis lb. .04¼- —
Rubber solvent, petroleum, tanks, Calif. ex tax, San Francisco gal. .178 • —
tanks, east coast, N. J., N. Y. gal. .19 • —
tanks, group 3 gal. .13875- —
Rue oil, bots. lb. 2.75 • 3.00
Rutin, NF, fib. dms., 10 kilo lots kilo.13.75 • —
fib. dms., 5 kilo lots kilo14.00 • —
fib. dms., 1 kilo kilo.14.50 • —
Ryania, 100%, powd., bgs., c.l., works lb. .22 • —
bgs., l.c.l., same basis lb. .24 • —

S

S acid, bbls., works lb. 3.25 • —
Sabadilla seed, activated, ground with lime, bbls lb. .42 • .44
Saccharin, calcium, fib. dms., 1,000-lb. lots, works lb. 2.50 • —
USP, gran., soluble, dms., 1,000-lb. lots lb. 1.60 • —
dms., smaller lots lb. 1.70 • 1.80
USP, powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.65 • —
dms., smaller lots lb. 1.75 • 1.93
Safflower oil, dms., New York lb. .1785- .1823
tanks, Atl. Coast lb. .1585- —
Saffron, Mancha Superior, tins lb.25.00 • —
Safrol, dms. lb. .70 • —
Sage, Dalmatian, bgs. lb. .40 • —
Creek, cns. lb. .16 • —
Italian, cns. lb. .18 • —
Sage oil, clary, bots. lb.25.00 -32.00
Dalmatian, cns. lb. 3.60 • 4.00
Spanish, cns. lb. 1.33 • 1.73
Sal soda (see Soda sal).
Salicylaldehyde, dms., c.l., t.l., f.o.b. plant, frt. equald lb. 1.23 • —
dms., l.c.l., same basis lb. 1.25 • —
Salicylamide, 100-lb. dms. lb. 1.05 • —
Salicylic acid, crude, fib. dms., c.l., t.l., frt. alld lb. .37½- —
fib. dms., l.c.l., frt. alld. on 100 lbs. or more lb. .38½- —
Sublimed, tech., fib. dms., c.l., t.l., dlvd lb. .39¼- —
fib. dms., l.c.l., dlvd. lb. .43½- —
USP, cryst., 200-lb. fib. dms., 1,000-lbs. or more lb. .50½- —
200-lb. fib. dms., less than 1,000 lbs lb. .53½- —
100-lb. fib. dms., 1,000-lbs. or more lb. .52½- —
100-lb. fib. dms., less than 1,000 lbs. lb. .55½- —
powd., 100-lb. fib. dms., 1,000-lbs. or more lb. .57½- —
100-lb. fib. dms., less than 1,000 lbs lb. .60½- —
Salol, NF, gran., bbls., kgs. lb. 1.20 • —
Powdered salol, 25c per lb. higher
Salt, rock, paper bgs., c.l., 100 lbs. 1.09 • —
Salt, table vacuum, common, fine, paper bgs., c.l. 100 lbs. 1.34 • —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.28.00 • —
Saltpeter (see Potassium nitrate)
Sandalwood, E. Indian, chips, bgs. lb. .65 • .68
powd., fib. dms. lb. .75 • .76
Sarcosine, tech., tanks, f.o.b., works, frt. equald lb. 1.03 • —
Sandalwood oil, cns. lb.13.25 -14.50
Sardine oil, crude, tanks, Pac. coast. lb. No stocks
Sassafras oil, artif., dms. lb. .40 • .78
Nat., dom., dms. lb. 1.55 • 2.15
Savin oil, USP, cns. lb. 4.50 • 5.25
Savory oil, cns. lb. 4.75 • —
Schaeffer's salt, paste, dms., frt. alld. 100% basis lb. .85 • —
Schaeffer's salt, powd., bgs., frt. alld,. 100% basis lb. .95 • —
Scopolamine hydrobromide, USP, bots. oz.13.00 • —
Sebacic acid, CP, bgs., c.l., works, lb. .69½- —
bgs., l.c.l., works lb. .71½- —
Purified, bgs., c.l., works lb. .65½- —
bgs., l.c.l., works lb. .67½- —
Seidlitz mixture, fib. dms., 5,000-lb. lots lb. .30½- —
fib. dms., smaller lots lb. .31 • .32
Selenium, powd., 99½%, dms., dlvd. lb. 7.00 • —
Senega root, bls. lb. 2.00 • 2.10
Senna leaves, Alexandria, whole and half, bls lb. .22 • —
siftings lb. .18 • —
Tinnevelly, No. 1, bls. lb. .22 • —
No. 2, bls. lb. .18 • —
No. 3, bls. lb. .14 • —
pods, bls. lb. .28 • —
powd., bbls., bxs. lb. .17 • —
Serpentaria root, bls. lb. 5.00 • 5.50
Sesame oil, USP, dms. lb. .33 • .39
Sesame seed, Columbian, bgs. lb. .15 • —
Lebanese, hulled, bgs. lb. .19 • —
Nicaraguan, hulled, bgs. lb. .20½- —
nat., bgs. lb. .14 • —
Salvadorian, nat., bgs lb. .14 • —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .46 • —
bbls., 1,500-lb. lots lb. .47 • —
kgs., 1,500-lb. lots lb. .48 • —
Bonedry shellac prices for less than 1,500-lb. lots 1c. per lb. higher for all packages.
Shellac, bleached, refd., bgs., 1,500-lb. lots lb. .56 • —
bbls., 1,500-lb. lots lb. .57 • —
kgs., 1,500-lb. lots lb. .58 • —
Shellac, orange, lemon No. 1, bgs., 10-bg. lots lb. .36 • .39
lemon No. 2, bgs., 10-bg. lots lb. .33 • .37
superfine, bgs., 10-bg. lots lb. .32 • .34
Shellac in 1 to 10-bg. lots 1c. per lb. more.

Shingle stain oil, tar distillate, dms., c.l., works gal. .37 • —
dms., l.c.l., works gal. .48 • —
tanks, works gal. .33 • —
Sienna pigment, burnt, paper bgs., c.l., works lb. .06½- .18½
paper bgs., l.c.l., works lb. .06¾- .17¾
Raw, paper bgs., c.l., works lb. .06¾- .16¾
paper bgs., l.c.l., works lb. .07 • .17
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton.25.00 • —
bgs., l.c.l., works, ex whse. ton.45.00 -55.00
Silica, hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 • —
bgs, l.c.l., works ton.25.00 • —
99½%, 140 mesh, bgs., c.l., works ton.15.00 • —
bgs., l.c.l., works ton.20.00 • —
Silicon tetrachloride, tech., dms., c.l., works lb. .18 • —
dms., l.c.l., works lb. .22 • .30½
tanks, works lb. .17 • —
Silver bullion, ingots, cs. Troy oz. .91⅜- —
Silver cyanide, bots., 1,000-oz. lots, oz. .94¾- —
bots., 500-oz. lots oz. .95¼- —
bots., 100-oz. lots oz. .96¼- —
Silver nitrate, CP, cryst., bots., 3,000-oz. lots oz. .67¼- —
dm., 1,000-oz. lots oz. .67¾- —
bots., 250-500-oz. lots oz. .68¾- —
USP granular silver nitrate 4c. per oz. higher.
Silver proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.15 • —
Strong, NF, bots., dms., 1,000-oz. lots oz. 1.10 • —
Snakeroot oil, Canada, cns. lb.45.00 -60.00

Soapbark, crushed, bls. lb. .30 • .35
Powd., bls. lb. .35 • .40
Whole, bls. lb. .20 • .25
Soda ash, dense, 58%, paper bgs., c.l., works 100 lbs. 1.90 • —
paper bgs., l.c.l., stock pts., 100-lbs. 3.00 • 4.77
bulk, c.l., works 100 lbs. 1.60 • —
Light, 58%, paper bgs., c.l., works 100 lbs. 1.85 • —
paper bgs., l.c.l., stock pts. 100 lbs. 3.95 • 4.72
bulk, c.l., works 100 lbs. 1.55 • —
Soda, caustic, flake, 76%, dms., c.l., works, frt. equald 100 lbs. 5.20 • —
liq., 50%, sellers' tanks, works, dry basis 100 lbs. 2.90 • —
50%, rayon type, sellers' tanks, works, dry basis 100 lbs. 2.90 • 3.00
73%, sellers' tanks, works, dry basis 100 lbs. 3.00 • —
liq., 73%, rayon type, sellers' tanks, works, dry basis. 100 lbs. 3.00 • 3.10
Solid, 76%, dms., c.l., works. 100 lbs. 4.80 • —
Soda, sal, conc., bgs., c.l., works,. 100 lbs. 2.50 • —
bgs., smaller lots, works 100 lbs. 2.80 • —
Sodium acetate, anhyd., bgs., c.l., dlvd. E lb. .14½- —
NF, 60%, gran., dms., c.l., works, lb. .15½- —
dms., l.c.l., works lb. .17½- —

Sodium alginate, NF, white powd., dom., 300 lbs. or more lb. 1.02 • —
Sodium p-aminosalicylate, dms., 100-lb. lots or more frt. adjusted lb. 1.90 • —
Sodium antimoniate, bgs., c.l., dlvd. E lb. .25½- —
bgs., l.c.l., dlvd. E lb. .27 • —
Sodium arsenate, 60% arsenic pentoxide, dealers, dms., ton or more, works lb. .28 • —
dms., less than ton lots, works lb. .26½- —
Sodium arsenite, 90% pink powder, 75% arsenious oxide, dealers, dms., ton lots or more, works lb. .17½- —
dms., less than ton lots, works lb. .18 • .19
Sodium ascorbate, dms., 25-50 kilo lots kilo.10.00 • —
dms., 10-kilo lots kilo.10.35 • —
dms., 5-kilo lots kilo.10.75 • —
dms., 1-kilo lots kilo.11.00 • —
bots., 500-gram, bots. kilo.11.50 • —
Sodium benzoate, tech., dms., c.l., t.l., frt. alld lb. .35 • —
dms., l.c.l., same basis lb. .39 • —
USP, dms., c.l., t.l., frt. alld lb. .38 • —
dms., ton lots, same basis lb. .43 • —
dms., 1,000-lb. lots, same basis. lb. .43 • —

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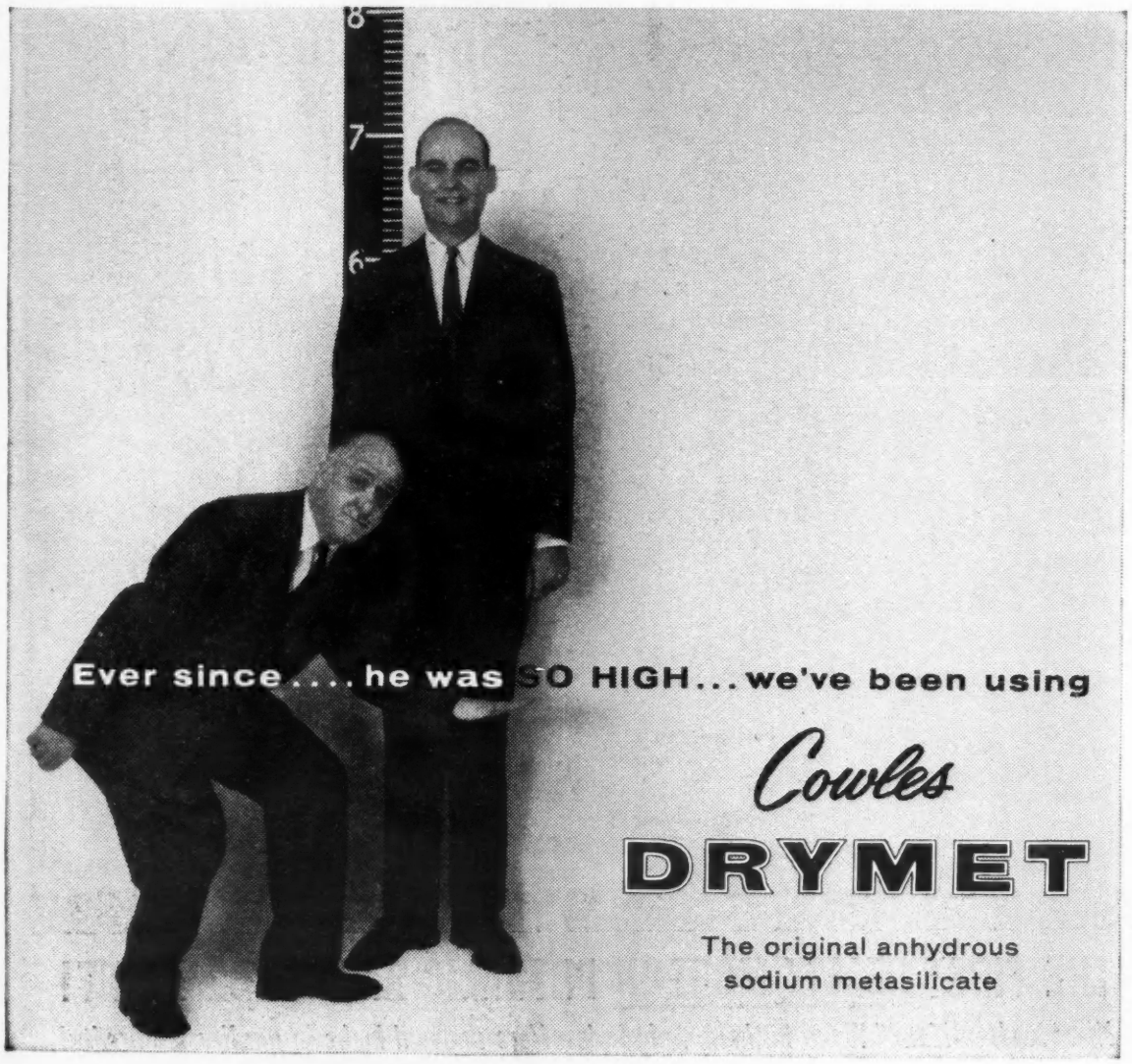
Sodium Bicarbonate—Sodium Sesquicarbonate

Sodium bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.95 - —
bgs. l.c.l., works 100 lbs. 3.85 - —
USP powd., bgs., c.l., works. 100 lbs 2.35 - —
bgs., l.c.l., works 100 lbs. 3.45 - —
Sodium bichromate, gran., bgs., c.l. t.l., works lb. .13 - —
bgs., l.c.l., works lb. .13½- .14¾
Sodium bichromate in dms. ¾c. per lb. higher
Sodium bifluoride, bbls. c.l. works, frt. equald lb. .19½- —
bbls., l.c.l. same basis lb. .1990- —
Sodium bisulfate, bulk, c.l., works 100 lbs. 2.00 - —
dms., c.l., frt. equald 100 lbs. 3.00 3.60
dms., l.c.l., frt. equald 100 lbs. 3.50 4.10
Sodium bisulfite, anhyd., bgs. c.l., works 100 lbs. 5.00 - —
bgs., l.c.l., works 100 lbs. 5.45 - —
Soln., 35° bbls., c.l. works 100 lbs. 1.70 - —
bbls., l.c.l., works 100 lbs. 2.20 - —
Sodium borate (see Borax)
Sodium borohydride, powd., dms., works lb.33.00 -40.00
Stabilized water soln., 12% $NaBH_4$, 100% basis, dms., works lb.15.00 - —
Pelletized sodium borohydride $1 per lb higher in 1,000-lb lots.
Sodium bromide, USP, gran., dms., works lb. .40 - —
Sodium carbonate, cryst., monohydrated (see Soda, sal)
Sodium carbonate, monohydrated, bgs., c.l., works 100 lbs. 3.10 - —
bgs., l.c.l., works 100 lbs. 3.50 - —
Sodium carboxymethyl cellulose (see CMC).
Sodium chlorate, cryst., 350-lb. dms., c.l., works lb. .09 - —
dms., l.c.l., works lb .09½- .10½
Sodium chlorate in 100-lb. dms., only, ¼c. per lb. higher.
Sodium chloride, tech. (see Salt).
Sodium chloride, USP, gran., bgs. lb. .05 - —
Sodium chlorite, tech., ums., c.l., works lb. .58 - —
dms., 20-dm. lots or more, works. lb. .66 - —
dms., smaller lots, works lb. .70 - .73
Sodium chloroacetate, tech., dms., c.l., works lb. .27 - —
dms., l.c.l., works lb. .28 - —
Sodium chromate, anhyd., fib. dms., c.l., t.l., works lb .14¾- —
fib. dms., l.c.l., works lb. .15¼- .16½
Sodium chromate, tetrahydrate, bgs., c.l., t.l., works lb. .1015- —
bgs., l.c.l. lb. .1065- .1190
Sodium citrate, anhyd., dms. lb. .62 - —
NF VIII, gran., dms lb. .26½- .27½
USP XIV, gran., dms. lb. .29½- .30½
Sodium citrate, USP powd. prices ½c. higher.
Sodium cyanate, dms., 1,000-lb. lots, works lb. .85 - —
dms., smaller lots, works lb. .90 - 1.10
Sodium cyanide, flake, 96-98%, dms., c.l. or 20,000-lb. lots lb. .193 - —
dms., over 1,000-lb. lots lb. .203 - —
dms., 100-lb. to 1,000-lb. lots lb. .213 - —
Gran. sodium cyanide 1c. higher.
Sodium cyclamate, 100-lb. dms lb. 1.95 - —
Sodium diacetate, anhyd., 39-41% acetic acid, 250-lb. dms., c.l., works lb. .18 - —
250-lb. dms., l.c.l., works lb. .18¾- —
Sodium diacetate, tech., 33-35% acetic acid, dms. l.c.l., works lb. .15 - —
250-lb. dms., l.c.l., works lb. .15¾- —
Sodium dimethyl dithiocarbamate, 40% soln., dms., c.l., t.l., frt. alld., 100% basis lb. .42 - —
dms., l.c.l., l.t.l., same basis lb. .47 - .52
tanks, same basis lb. .38 - —
Sodium ferrocyanide, bgs., 10-ton lots lb. .13½- —
bgs., smaller lots lb. .14¾- —
Sodium fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1390- —
fib. dms., l.c.l., works, frt. equald lb. .1465- —
Sodium formate, bgs., c.l., works. 100 lbs. 7.05 - —
bgs., l.c.l., ex whse. 100 lbs. 8.65 - —
Sodium gentisate, 100-lb. fib. dms. lb. 5.50 - —
Sodium gluconate, refd., dms. lb. .84 - —
Tech., dms., bgs. lb. .37 - .39
Sodium hydride, 50% soln. in oil, dms., works lb. 1.25 - 2.50
25% soln. in oil, dms., 50 lbs. or less, f.o.b. shipping point lb. 2.20 - —
dms., 50-99 lbs., same basis lb. 1.77 - —
dms., 100-999 lbs., same basis lb. 1.20 - —
dms., 1,000 lbs. or more, same basis lb. .95 - —
Sodium hydrosulfide (see Sodium sulfhydrate).
Sodium hydrosulfite, dms., c.l., frt. alld. lb. .22½- —
dms., l.c.l., frt. alld. lb. .24¾- —
Sodium hydroxide, NF, pellets, 100-lb. dms., 1 to 100-dm. lots. lb. .23½- .28
Sodium hydroxide, tech. (see Soda, caustic).
Sodium hypophosphite, NF, dms., 1,000-lb. lots lb. .97 - —
Sodium hyposulfite (see Sodium thiosulfate).
Sodium iodide, USP, 300-lb. dms lb. 1.98 - —
Sodium lactate, edible, 60%, cbys., dms., works lb. .26½- —
Sodium lauryl sulfate, dms., c.l., dlvd lb. .20½- —
dms., l.t.l., dlvd lb. .21½- —
tanks, dlvd. lb. .19½- —
Sodium metabisulfite (see Sodium bisulfite).
Sodium lignin sulfonate, bgs., c.l., works 100 lbs. 4.25 - 6.50
l.c.l., bgs., works 100 lbs. 4.40 - 7.00
Sodium metaborate octahydrate, gran., bgs., c.l. works ton.102.00 - —
bgs., ton lots, ex whse 100 lbs. 8.00 - —
bgs., smaller lots ex whse. 100 lbs. 9.25 -11.25
Sodium metaborate, tetrahydrate, bgs., c.l. works ton.210.00 - —
bgs., ton lots, ex whse 100 lbs.13.93 - —
bgs., smaller lots, ex whse. 100 lbs.15.18 -17.18
Sodium, metallic, bricks, c.l. works. lb. .21 - —
Fused, 18,000-lb. lots or more, works lb. .19½- —
tanks, works lb. .17 - —
Sodium metalinate, bbls., frt. alld. lb. .62 - —
Sodium metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.70 - —
bgs., 6,000-19,900 lb. lots, works. 100 lbs. 6.05 - —
dms., c.l., works 100 lbs. 6.20 - —
dms., l.c.l., works 100 lbs. 6.55 - —
Sodium metasilicate pentahydrate, bgs., c.l., works 100 lbs. 4.45 - —
bgs., l.c.l., works 100 lbs. 4.80 - 6.75
dms., c.l., works 100 lbs. 4.95 - —
dms., l.c.l., works 100 lbs. 5.30 - 7.25
Sodium molybdate, anhyd., dms., works, frt. equald lb. .92 - .99
Cryst., dms., works, frt. alld. lb. .74 - .76
Sodium monoglutamate (see Monosodium glutamate).
Sodium monohydrate (see Sodium carbonate, monohydrated).
Sodium naphthionate, bbls. lb. .70 - —
Sodium nitrate, dom., crude, bgs., c.l., works ton.45.50- —
bulk, c.l., works ton.41.50 - —
Imp., 100-lb. bgs., c.l., Atl., Gulf, Pac., whse. ton.45.50 - —
bulk, c.l., same basis ton.41.50 - —
Sodium nitrite, USP, bbls., c.l., works, frt. equald 100 lbs. 9.00 - —
bbls., l.c.l., same basis 100 lbs.11.00 - —
Sodium orthosilicate, conc., dms., c.l., works 100 lbs. 6.70 - —
dms., l.c.l., works 100 lbs. 7.05 - 7.65
Sodium orthosilicate, hydrated, flake, bbls., c.l. works. 100 lbs. 5.65 - —
bbls, l.c.l., works 100 lbs. 7.60 - 7.90
Sodium oxalate, 83%, bgs., works. 100 lbs.12.35 - —
Sodium para-aminobenzoate (see Sodium p-aminobenzoate).
Sodium para-aminosalicylate (see Sodium p-aminosalicylate).
Sodium pentachlorophenate, briquets, dms., c.l., works, frt. equald lb. .26 - —
dms., l.c.l., same basis lb. .27½- .34
Pellets, dms., c.l., same basis lb. .26 - —
dms., c.l., same basis lb. .27½- .34
Powd., dms., c.l., same basis lb. .25 - —
dms., l.c.l., same basis lb. .26½- .33
Sodium pentobarbital, USP, dms., 100 lbs. or more lb. 6.00 - —
Sodium perborate, NF, tech., bgs., c.l., works lb. .18½- —
bgs., l.c.l., works lb. .19 - .21
Sodium peroxide, dms., c.l., t.l., dlvd. E. of Miss lb. .21½- —
dms., l.c.l., same basis lb. .22 - .22¼
Sodium phenobarbital, USP, 100-lb. dms lb. 3.75 - —
Sodium phenolsulfonate, USP, IX, gran., dms lb. .52 - .53
NF, powd., dms lb. .55 - .56
Sodium phosphate, dibasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 7.95 - —
bgs., l.c.l., same basis 100 lbs. 8.35 - 9.40
Sodium phosphate, duohydrate, bgs., c.l., frt. equald 100 lbs. 7.60 - —
bgs., l.c.l., same basis 100 lbs. 8.10 - —
USP, dried, powd., bgs., dms., works lb. .19 - .20¼
Sodium phosphate, monobasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.00 - —
bgs., l.c.l., same basis 100 lbs. 9.40 -10.00
Sodium phosphate, tribasic, anhyd., bgs., c.l., frt. equald. 100 lbs. 9.05 - —
bgs., l.c.l. frt. equald. 100 lbs. 9.45 -10.05
cryst., bgs., c.l., t.l., frt. equald. 100 lbs. 4.60 - —
bgs., l.c.l., frt. equald 100 lbs. 5.00 - 5.75
Sodium phosphate in dms. 60c to 80c. higher than bgs.
Sodium picramate, tech., paste, dms., f.o.b., works, frt. equald lb. .90 - —
Sodium prussiate, yellow (see Sodium ferrocyanide).
Sodium pyrophosphate acid, bgs., c.l., works, frt. equald. 100 lbs.11.10 - —
bgs., l.c.l., same basis 100 lbs.11.85 -12.35
Sodium pyrophosphate, terric, dms., c.l., t.l., works lb. .36 - —
dms., l.c.l., works lb. .37 - .39
Sodium pyrophosphate tetrabasic, anhyd., bgs., c.l., works, frt equald 100 lbs. 7.81 - —
bgs., l.c.l. same basis 100 lbs. 9.21 - 9.71
Sodium salicylate, USP, dms., 1,000-lbs or more lb. .73½- —
dms., less than 1,000 lbs dms. lb. .81½- —
Sodium sesquicarbonate, bgs., c.l., works 100 lbs. 2.35 - —
bgs., l.c.l., dlvd. zone 1 100 lbs. 4.10 - 4.35
dlvd. zone 2 100 lbs. 4.35 - 4.60
dlvd. zone 3 100 lbs. 4.75 - 4.90
dlvd. zone 4 100 lbs. 5.35 - 5.60

Sales zones are: (1) Atl. states E. of Miss., R and N of south bound of Ky. and Va., Ala., La., and Miss., south of 31°; Tex E. of 100°; S. of 31° Fla.; also Me., N. H. and Vt. in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport) Minn. Mo. (except St. Louis) Neb. E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No of 31°; (3) Ark. W. of 96°, Kan., Neb W. of 98° N. D., Okla., S. D., Tex., W of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.



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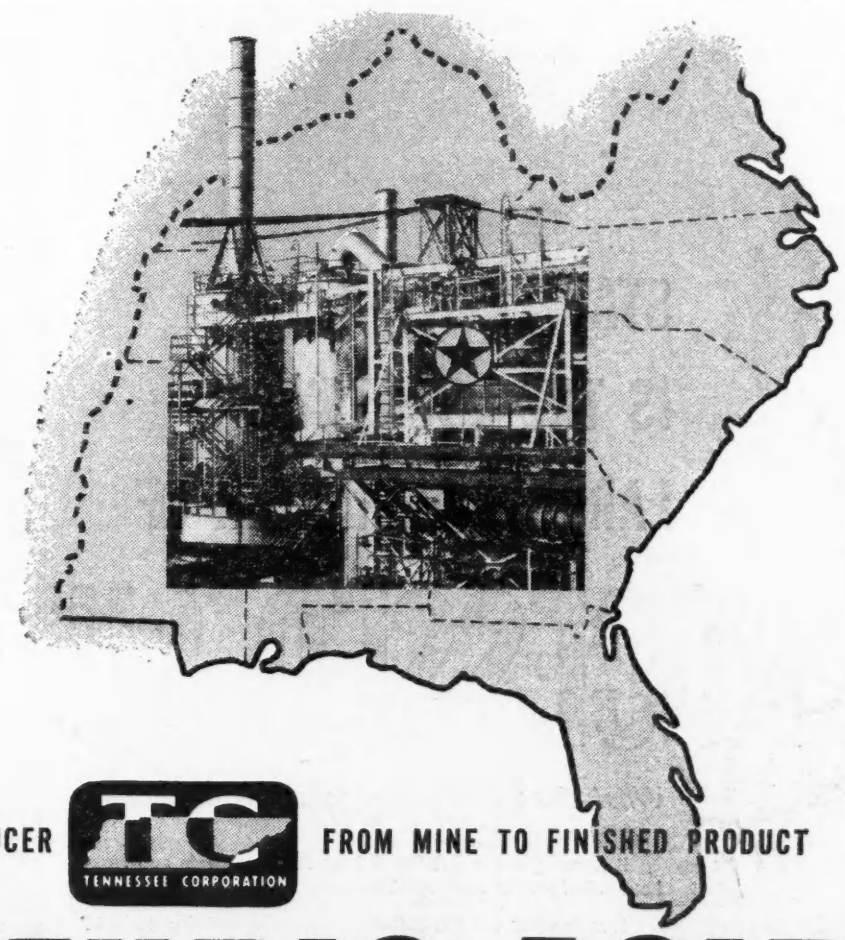
Sodium sesquisilicate, anhyd., bgs., c.l., t.l., works 100 lbs. 5.70 - —
dms., c.l., t.l., works ....100 lbs. 6.30 - —
Hydrated, bgs., c.l., works ..100 lbs. 5.00 - —
bgs., 6,000-19,900 lb. lots, works 100 lbs. 5.33 - —
Sodium sesquisilicate, hydrated, dms., c.l., works ..100 lbs. 5.50 - —
dms., 6,000-19,900 lb. lots, works 100 lbs. 5.85 - —
Sodium silicate, liq., 40° Be, turbid, 1:3.2, dms., c.l., works 100 lbs. 1.55 - —
dms., l.c.l., works 100 lbs. 1.90 - 2.40
tanks, works .....100 lbs. 1.20 - —
Sodium silicate, liq., 47° Be., turbid, 1:2.9, dms., c.l., works 100 lbs. 2.25 - —
dms., l.c.l., works 100 lbs. 2.60 - 3.45
tanks, works ..... 100 lbs. 1.90 - —
52° Be. turbid, 1:2.4, dms., c.l., works 100 lbs. 2.65 - —
dms., l.c.l., works ...100 lbs. 3.00 - 3.50
tanks, works ..... 100 lbs. 2.30 - —
Solid, 1:3.2, bgs., works.....ton.67.50 - —
Sodium silicofluoride, bgs., c.l., works lb. .065 - —
bgs., l.c.l., works..... lb. .069 - —
Sodium silicofluoride in dms. 0.4c. per lb. higher.
Sodium stannate, dms., works, frt. alld. E lb. .648 - .707
Sodium sulfa drugs (see Sulfa name).
Sodium sulfanilate, bbls., works lb. .22 - —
Sodium sulfate, NF VII, dried, powd., dms lb. .22½- —
Tech., anhyd., bgs., c.l., dlvd. E ton.54.00 - —
detergent, rayon grade, bgs., c.l., works ton.36.00 - —
bulk, c.l., works ..... ton.32.00 - —
USP, cryst., fib. dms. ..... lb .17½- .18
Sodium sulfhydrate, flake, 70-72%, dms., c.l., works frt. equald. lb. .07¼- —
dms., l.c.l., same basis lb. .08¼- —
Liq., 40-44%, tanks, works, 100% basis ton.130.00 - —
Sodium sulfide, flake, dms., c.l., works, E., frt. equald lb. .06 - —
dms., l.c.l., same basis lb. .07 - —
fused, bbls., c.l., works, E., frt. equald lb. .05½- —
bbls., l.c.l., same basis lb. .06½- —
Sodium sulfite, anhyd., bgs., c.l. works 100 lbs. 7.55 - —
bgs., l.c.l., same basis 100 lbs. 7.95 - —
Tech, bgs., c.l., works ..100 lbs. 3.50 - —
bgs., t.l., same basis ...100 lbs. 4.00 - —
Sodium sulfocyanide, CP (see Sodium thiocyanate)
Sodium tetraborate (see Borax)
Sodium tetrasulfide, liq., 40% dms., c.l., works, frt. equald lb. .04½- —
dms., t.c.l., same basis lb. .05½- —
Sodium thiocyanate, CP, dms lb. .55 - .65
Tech., anhyd. dms., 1 ton lots or more, works lb. .317 - —
dms., less than ton lots, works lb. .337 - —
Sodium thiosulfate, NF, cryst. bbls. lb. .13½- —
Sodium thiosulfate, tech., anhyd., 100-lb. bgs., c.l., t.l., frt. equald 100 lbs. 8.20 - —
100-lb. bgs., l.c.l., l.t.l., frt. equald 100 lbs. 8.60 - —
Sodium thiosulfate, tech., anhyd., photo grade, 64-lb. bgs., c.l., t.l., frt. equald lb. .0320- —
64-lb. bgs., l.c.l., l.t.l., frt. equald lb. .0360- —
Sodium thiosulfate, tech., pentahydrate, photo grade, 100-lb. bgs., c.l., t.l., frt. equald. 100 lbs. 5.25 - —
100-lb. bgs., l.c.l., l.t.l., frt. equald 100 lbs. 5.50 - —
Sodium titanate, ctns. c.l., works. lb. .14¼- —
ctns., 5-ton lots, works .... lb. .14½- —
ctns., 1-ton or less, works ... lb. .14¾- —
Sodium trichloroacetate, 94%, 100-lb. dms., c.l., frt. alld E. lb. .33 - —
50-lb. dms., c.l., frt. alld E lb. .35½- —
10-lb. cns., c.l., frt. alld E lb. .42 - —
Prices on Sodium trichloroacetate W of the Rockies are 1¾c. per pound higher.
Sodium tripolyphosphate, bgs., c.l., works, frt equald 100 lbs. 8.16 - —
bgs., l.c.l., same basis 100 lbs. 8.56 - 9.08
Sodium trisilicate, powd., 1:3.2 bgs., c.l., works 100 lbs. 8.95 - —
bgs., l.c.l., works .... 100 lbs. 9.70 -13.13
dms., c.l., works .... 100 lbs. 9.45 - —
dms., l.c.l., works ... 100 lbs.10.20 -10.60
Sodium tungstate, tech. kgs dlvd. E lb. 1.09 - —
Sodium-ammonium phosphate, purif., cryst., dms., works lb. .52 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
dms., t.c.l., same basis lb. .21½- —
Sodium-zirconyl sulfate, fib. dms., 1,000-lb. lots or more works lb. .28 - —
fib., dms., smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high-flash, tanks, frt equald gal. .30 - .35½
Solvent naphtha, petroleum, aromatic 312°-363°F b.r., 17.2°C m.a.p., tanks, New Jersey gal. .31 - —
315°-350°F b.r., 17.2°C. m.a.p., tanks, Texas City gal. .33 - —
342°-351°F, b.r., 15°C, m.a.p., tanks, Baytown, Texas gal. .29 - —
324°-349°F, b.r., 16.5°C, m.a.p., tanks, Houston gal. .32 - —
322°-350°F, b.r., 17.2°C. m.a.p., tanks, Baytown, Tex. gal. .29 - —
352°-412°F, b.r., 17.5°C, m.a.p., tanks, Houston gal. .32 - —
365°-404°F, b.r., 19°C, m.a.p., tanks, New Jersey gal. .32 - —
367°-421°F, b.r., 20°C, m.a.p., tanks, Baytown, Tex. gal. .30 - —
Solvent naphtha, petroleum, partial aromatic, 205°-232°F, b.r., 38°C, m.a.p., tanks, New Jersey gal. .24 - —
211°-277°F, b.r., 25.6°C, m.a.p., tanks, New York, New Jersey gal. .28 - —
221°-273°F, b.r. 34.8°C, m.a.p., tanks, Houston g.l. .20 - —
232°-325°F, b.r., 41.6° C, m.a.p., tanks, Houston gal. .25 - —
357°-403°F, b.r., 54 C., m.a.p., tanks, Houston gal. .26 - —
358°-401°F, b.r., 24.4°C, m.a.p., tanks, New Jersey gal. .58 - —
Sorbitan monostearate, tib., dms., 20,000-lb. lots, works lb. .33 - —
fib dms., 10,000 to 20,000-lb. lots, works lb. .35 - —
fib. dms., smaller lots, works lb. .38 - .40
Sorbitan tristearate, fib. dms., 20,000-lb. lots works fb. .34 - —
fib dms., 10,000 to 20,000-lb. lots, works lb. .36 - —
fib. dms., smaller lots, works lb. .39 - .41

Sorbitol, cryst., resin grade, pellets, dms., c.l., works lb. .33 - —
dms., 1 to 5-ton lots, works. lb. .25 - .26
Powd., dms., c.l., works ..... lb. .36 - —
dms., 1 to 5-ton lots, works. lb. .38 - .39
Soln., coml., aqueous, dms., c.l., works lb. .24¼- —
dms., ton lots, works lb. .25 - —
dms., smaller lots, works lb. .25¼- —
tanks, works lb. .23¼- —
NF, reg., 70% aqueous, dms., c.l., works lb. .16 - —
dms., ton lots, works lb. .16¾- —
dms., smaller lots, works lb. .17 - —
tanks, works ..... lb. .15 - —
Soya protein, chemically isolated, old process, bgs., c.l., works. lb. .23 - —
bgs., l.c.l., works lb. .23½- —
Chemically isolated new process, bgs., c.l., works lb. .20 - —
bgs., l.c.l., works..... lb. .20½- —
Soybean meal, 44%, bulk Decatur, ton.53.00 - —
Soybean oil, crude, tanks Decatur. lb. .09¼ Nom.
Foots, soapstock, acid 95%, tanks, lb. .09¾- —
Refd., alkali, dms. ..... lb. .1405- .1430
tanks ..... lb. .1205- —
Clarified, dms. ..... lb. .1355- .1380
tanks ..... lb. .1155- —
Salad, dms. ..... lb. .1393- .1418
tanks ..... lb. .1193- —
Soybean oil acids, dbl. dist., dms., lb. .18 - .20½
tanks ..... lb. .15½- —
S. D., dms ..... lb. .16¾- .19¼
tanks ..... lb. .14¼- —
Sparteine sulfate, cns. ..... oz. .80 - —
Spearmint leaves, dom., bls. ..... lb 75 - —
Spearmint oil, NF, dms ..... lb. 5.10 - 6.25

Sperm oil, bleached, winter, 45° dms lb. .1450- .1550
tanks ..... lb. .1250- —
Nat., winter, 45°, dms. ..... lb. .1350- .1450
tanks ..... lb. .1150- —
Spermaceti wax, blocks, cs. .... lb .31 - .34
Cakes, cs. ..... lb. .32 - .34
Spruce oil cns., dms. ..... lb 2.10 - 3.55
Squill, white, bls ..... lb. .16 - .18
powd., bbls., bxs ..... lb. .17 - .20
St. John's bread, edible, bls. .... lb. .17 - —
Stannic chloride, anhyd., dms., works lb. .817 - .839
Stannic oxide, dms., dlvd. .... lb. 1.11 - 1.12
Stannous chloride, anhyd dms., works lb. 1.013 - 1.268
Stannous chloride, hydrous, cryst., dms., works lb. .87½- .88½
Stannous sulfate, dms., works .. lb. 1.067 - 1.087
Star root (see Helonias root)
Stargrass root (see Aletris root)
Stavesacre seed, bgs lb .60 - 61
Stearic acid, dbl., pressed, bgs lb. .16¾- .19¼
Single-pressed, bgs. ..... lb. .16¼- .18¾
Triple-pressed, bgs. ..... lb. .18½- .21
Stearine, oleo (see Oleostearine)
Stoddard solvent, petroleum, tanks, east coast, New Jersey, New York gal. .18 - —
tanks, western Pennsylvania, gal. .16 - —
tanks, group 3 ..... gal. .12375- —
tankwagon, Boston ..... gal. .20 - —
Chicago ..... gal. .299 - —
Cleveland ..... gal. .23½- —
Los Angeles, ex tax ..... gal. .199 - —

Stoddard solvent, petroleum tank wagon, Newark gal. .19 - —
New York gal 19 - —
Philadelphia gal 19½- —
Pittsburgh gal 19 - —
Stramonium leaves, bgs ..... lb. .15 - —
Streptomycin hydrochloride bulk, gram. .037 - .038
Streptomycin sulfate, bulk gram. .037 - .038
Strontium bromide, NF cryst., 150-lb fib dms lb 84 - —
Strontium carbonate, pure, dms., 5-ton lots or more, works lb 35 - —
dms., 1-ton lots, works lb 37 - —
Tech., dms., works lb 19 - —
Strontium chromate fib. dms. dlvd. lb. 43 - —
Strontium iodide, jars, 25-lb lots lb 3.57 - —
Strontium nitrate, bgs., c.l., works 100 lbs.11.00 - —
bgs., l.c.l., works ..... 100 lbs 12.00 - —
Strontium salicylate, NF, dms lb 1.88 - —
Strontium sulfate, air floated, 99%, 325 mesh, bgs., works ton.56.70 -66.15
Strophanthin G (see Ouabain, USP)
Strophanthin K, bots oz 25.00 -25.50
Strophanthus seed, Kombi, biologically tested, bgs ... -.60 - —
Styrax gum, USP, cs ..... lb. 4.50 - 5.50
Styrene monomer, polymer grade, 99.6%, dms., c.l. frt. alld. lb .17 - —
dms., t.c.l., same basis ... lb. .19 - —
tanks, same basis ..... lb. .14½- —



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Styrene Monomer—Tetraethylthiuram Disulfide

Styrene monomer, tech., 99.2%, dms., c.l lb. .145 - —
dms., l.c.l., same basis .... lb. .165 - —
tanks, bulk, same basis ..... lb. .12 - —

Above prices are escalated for each calendar quarter on the basis of cost of crude oil at the well, cost of petroleum refining labor, and prices in the three major sections of the Wholesale Commodity Price Index.

Styrolyl acetate, bots. ..... lb. 1.23 - 1.45
Succinic acid, purif., cryst., bbls., works lb. .62 - .75
Sucrose, refd., white, bgs., refy E. lb. .0905- —
Sucrose octa-acetate, denaturing grade, 100-200-lb. lots, bgs., l.c.l., works lb. 1.00 - —
Sugar (see Sucrose)
Sugar cane wax, dom., refd., slabs, 80-lb ctns., works lb. .65 - .75
80-lb ctns., spot ... lb. 67¼ - 72¼
Sulfabenzamide, dms. ..... kilo 8.80 - 9.90
Sulfabenzamide-sodium, dms. . kilo. 9.00 -10.10
Sulfacetamide, USP, fib dms. kilo. 7.70 - 8.80
Sulfacetamide-sodium, USP, fib. dms kilo 8.15 - 9.25
Sulfadiazine, USP, microcrystals, dms kilo.23.35 -24.45
USP, powd., dms. ..... kilo.22.60 -23.70
Sulfadiazine-sodium, USP, dms kilo.24.80 -25.90
Sulfaguanidine, NF X, dms kilo 5.50 - 6.60
Sulfamerazine, USP, microcrystals, dms kilo.23.50 -24.60
Sulfamerazine-sodium, USP, powd., dms kilo.24.80 -25.90
Sulfamethazine, USP XV, microcrystals, dms kilo.19.65 -20.75
USP XV, powd., dms ..... kilo.18.75 -19.85
Sulfamic acid, cryst., dms., c.l., t.l., works 100 lbs.16.00 - —
dms., l.c.l., l.t.l., works 100 lbs.17.50 -18.50
100 lbs or more lb 6.00 - —
Gran., dms. c.l., t.l., works. 100 lbs.14.75 - —
dms., l.c.l., l.t.l., works 100 lbs.16.25 -17.25
Sulfanilamide, NF X, 30-80 mesh, dms kilo. 3.05 - 3.50
NF X, microcrystals, dms. .. kilo 3.70 - 4.20
NF X, powd., dms. ..... kilo. 2.85 - 3.30
Sulfanilamide quinoxaline, veterinary, dms kilo.14.12 -14.85
Sulfanilic acid, tech., dms., c.l., frt. alld lb. .21 - —
dms., l.c.l., frt. alld. ..... lb. .23 - —
Sulfapyridine, USP XV, powd., bots. tins kilo.15.45 -16.55
Sulfapyridine-sodium, monohydrate, dms kilo.16.55 -17.65
Sulfathiazole, NF X, powd., dms. kilo. 5.50 - 5.85
NF X, microcrystals, dms .. kilo. 6.25 - 6.60
Sulfathiazole-sodium, NF X, dms., 1,000-lb. lots or more lb 2.35 - —
Sulfur, coml., flour, bgs., mines, 100 lbs. 2.25 - —
bbls., mines ..... 100 lbs. 3.30 - —
lump, bgs., mines ..... 100 lbs. 2.25 - —
bbls., mines ..... 100 lbs. 2.80 - —
Sulfur, crude, dom., bright, bulk, f.o.b. cars, mines long-ton.23.50 - —
Export, f.o.b. vessels Gulf ports long-ton.25.00 - —
US and Canada f.o.b. vessels Gulf ports, long-ton.25.00 - —
Domestic dark sulfur prices are $1 per long-ton lower
Sulfur, crude, bulk, imp., Mexican, filtered, f.o.b., vessel, Coatzacoalcos long-ton.24.00 - —
Mexican dark sulfur price is $1 per long-ton lower.
Sulfur, refd., flowers, NF, bgs., mines 100 lbs. 5.15 - —
bbls., mines ..... 100 lbs. 6.50 - —
flour, light, bgs., mines 100 lbs. 4.75 - —
bbls., mines ..... 100 lbs. 5.75 - —
lump bgs., mines ..... 100 lbs. 4.45 - —
rolls, bgs., mines ..... 100 lbs. 5.00 - —
bbls., mines ..... 100 lbs. 5.75 - —
salt block, bgs., mines 100 lbs. 4.65 - —
virgin block, bbls., mines 100 lbs. 4.70 - —
Sulfur, rubbermakers, coml., reg., bgs., mines 100 lbs. 2.45 - —
bbls., mines ..... 100 lbs. 3.70 - —
99-100%, passing through 325 mesh, bgs., mines 100 lbs. 2.55 - —
bbls., mines ..... 100 lbs. 3.80 - —
refd., bgs., mines ..... 100 lbs. 4.40 - —
bbls., mines ..... 100 lbs. 5.55 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.75 - —
bbls., mines ..... 100 lbs. 4.00 - —
Sulfur dichloride, ret. dms. c.l., works, frt. equald lb. .04½- —
ret. dms., l.c.l., same basis ... lb. .05¼- —
tanks, same basis ..... lb. .04 - —
Sulfur dioxide, liq., coml., cyls., works, frt. equald lb. .10 - .12
multi-unit cars, works .... lb. .0535- —
tanks, works ..... lb. .045 - —
Refrigeration, 150-lb. cyls., dlvd. lb. .33 - —
Sulfur monochloride, 55-gal. non-ret. dms., c.l., frt. equald lb. .04½- —
dms., l.c.l., same basis ..... lb. .05¼- —
tanks, same basis ..... lb. .04 - —
Sulfuric acid, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
cbys., l.c.l., works ..... 100 lbs. 2.30 - —
tanks, works ..... ton.18.60 - —
66° Be, cbys., c.l., works .. 100 lbs. 2.25 - —
cbys., l.c.l., works ..... 100 lbs. 2.55 - 3.35
tanks, works ..... ton.22.35 - —
98%, tanks, works ..... ton.23.50 - —
99%, tanks, works ..... ton.23.70 - —
100%, tanks, works ..... ton.23.95 - —
Sulfuric acid, CP, NF, consumers' cbys., c.l., frt. equald lb. .12¾- —
consumers' cbys., l.c.l., same basis lb .14¼- .14¾
5-pt. bots., extra, cs., c.l., works, frt alld lb. .16¼- —
5-pt. bots., extra, cs., l.c.l., same basis lb .17¾- .18¾
Sulfuric acid, fuming (oleum), 20%, tanks, works ton.25.00 - —
40%, tanks, works ..... ton.29.00 - —
65%, tanks, works ..... ton.29.50 - —
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk., c.l., Baltimore unit-ton. .90 - .93
bulk, c.l., Carteret, N. J. unit-ton. .90 -.93
bulk, f.o.b., vessel unit-ton. 1.02 - —
Superphosphate, triple, 48% or more a.p.a., pulv., bulk, c.l., East Tampa, Fla unit-ton. .98 - —
Sweet birch oil, USP, northern, cns. lb. 4.00 - 9.50
USP, southern, cns. ..... lb. 2.00 - 3.05

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2,4,5-T, dms., c.l., works, frt. equald. lb. 1.18 - —
dms., l.c.l., same basis ..... lb. 1.25 - —
2,4,5-T isopropyl ester, dms., c.l., works, frt. equald lb. 1.24 - —
dms., l.c.l., works ..... lb. 1.29 - —
Talc, dom., fibrous, New York, grd., bgs., c.l., works ton.28.00 - —
bgs., l.c.l., works ... ton.31.00 -36.00
fibrous, New York, 99.5%, 325 mesh bgs., c.l., works. ton.31.00 - —
bgs., l.c.l., works ..... ton.34.00 - —
Talc, dom., fibrous, 99.95% micronized,, bgs., works ton.38.00 - —
ord., Calif., gran., bgs., c.l., works ton.34.00 -39.50
Vermont, off-color, grd., bgs., c.l., works. ton.19.40 - —
bgs., l.c.l., works ..... ton.37.00 - —
Imp., Canadian, grd., bgs., c.l., mines ton.20.00 -35.00
Tall oil, crude, dms., c.l., works lb. .04¼- .04⅛
tanks, works ..... lb. .02¾- .03
Dist., dms., c.l., works ..... lb. .07¾- —
dms., l.c.l., works ..... lb. .08 - .08⅛
tanks, works ..... lb. .06 - .06⅛
Refd., dms., c.l., works ..... lb. .06¾- —
dms., l.c.l., works ..... lb. .07 - .07⅛
tanks, works ..... lb. .05½- .06
Tall oil acids, dms., c.l., works lb. .10½- .12
dms., l.c.l. ..... lb. .11 - .12⅛
tanks, works ..... lb. .08½- .10
Tallow, edible, tanks, dlvd ..... lb. .09⅛- .09¼
Inedible, fancy, bleachable, tanks, dlvd lb. .07⅛- —
fancy, guaranteed, dms., f.a.s. lb. .08½- —
No. 1, tanks, dlvd ..... lb. .06¾- —
prime, tanks, dlvd ..... lb. .07 - —
special tanks, dlvd. ..... lb. .06⅞- —
sulfonated 25% bbls., l.c.l. lb. .08⅜- .08⅝
50%, bbls., l.c.l ..... lb. .10½- .11
Tallow acids, dist., dms ..... lb. .14¼- .16¾
tanks ..... lb. .11⅜- —
Hydrogenated, dms. ..... lb. .15⅜- .18¼
Tallow oil, acidless, dms., c.l. . lb. .14½- —
dms., l.c.l. ..... lb. .15½- .17
Tangerine oil, Florida, dms. .... lb. 3.10 - 4.00
Tankage, animal, feeding, 9-11% ammonia, New York bulk, unit-ton. 6.25 - —
Animal, feeding, 9-11% ammonia, Chicago, bulk unit-ton. 6.75 - —
Tannic acid, NF, fluffy, bbls, 1,000-lb. lots lb. 2.05 - —
bbls., smaller lots ..... lb. 2.06 - 2.07
NF, powd., bbls., 1,000-lb. lots . lb. 1.95 - —
bbls., smaller lots ..... lb. 1.96 - 1.99
Tech., dms. ..... lb. 1.05 - —
Tansy oil, dms. ..... lb. 7.50 - 9.50
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .53½- —
dms., l.c.l., same basis .... gal. .55½- —
tanks, same basis ..... gal. .43½- —
25-28%, dms., c.l., same basis gal. .60 - —
dms., l.c.l., same basis .... gal. .62 - —
tanks, same basis ..... gal. .50 - —
50-53%, dms., c.l., same basis gal. .75 - —
dms., l.c.l., same basis .... gal. .77 - —
tanks, same basis ..... gal. .65 - —
Tar, coal (see Coaltar).
Tartar emetic (see Antimony potassium tartrate).
Tartaric acid, dom., NF, 230 or 250-lb. dms., c.l lb. .49 - —
230 or 250-lb. dms., 10,000-lb. lots, 1 shipt lb. .49½- —
230 or 250-lb. dms., smaller lots lb. .50 - —
100-lb. dms. ..... lb. .51 - —
Imp., NF, bgs., dms., kgs. ... lb. .40 - .41
Terpine hydrate, NF, cryst., powd., 100-lb. fib. dms lb. .70 - —
Terpineol, extra, dms. ..... lb. .50 - .60
Prime, dms. ..... lb. .40 - .50
Terpinyl acetate, extra, cns., dms. lb. .64 - .75
Prime, dms. ..... lb. .53 - .56
Terpinyl propionate, dms. ..... lb. 1.75 - 3.00
Terra alba (see Gypsum).
Testosterone, USP, bots. .... gram. No prices.
Testosterone proprionate, USP. gram. No prices.
Tetrachloroethane, dms., works lb. .14½- —
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Tetrachloroethylene, tech (see Perchloroethylene).
Tetrachloroethylene, USP, 55-gal. dms., c.l., t.l., works lb. .20½- —
dms., l.c.l., works ..... lb. .22 - .23¼
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .60 - —
dms., l.c.l., dlvd. E. ..... lb. .61½- —
Tetraethyl pyrophosphate, 40%, cns., dms., frt. equald lb. .75 - —
Tetraethylenepentamine, dms., c.l., dlvd. E lb. .53½- —
dms., l.c.l., dlvd. E. ..... lb. .55 - —
tanks, dlvd. E. ..... lb. .51 - —
Tetraethylthiuram disulfide, tech., dms., frt. alld. lb. 1.04 - —

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Plants and Warehouses:
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It means you can get Sulfur from Stauffer plants and warehouses in 14 cities from coast to coast.

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It means you can get Stauffer Sulfur in 60 different grades and grinds from "Run-of-Mine" lump sulfur of 99.5% minimum purity to sulfur of 325-mesh size and 99.85% purity.

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Tetrahydrofuran, dms., c.l., t.l., works	lb.	.36¼-	—
dms., l.c.l., or l.t.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Tetrahydrofurfuryl alcohol, dms., c.l., t.l., Memphis, Tenn.	lb.	.31½-	—
dms., l.c.l., Memphis, Tenn.	lb.	.32½-	—
dms., c.l., t.l., Newark, N.J.	lb.	.33½-	—
dms., l.c.l., Newark, N.J.	lb.	.34½-	—
tanks, dlvd. E. of Denver	lb.	.31	—
tanks, dlvd. W. of Denver	lb.	.32	—
Tetrapotassium phosphate (see potassium phosphate).			
Thallium metal, dlvd.	lb.	7.50	-10.00
Thallium sulfate, 99%, bots., dlvd.	lb.	5.00	-10.00
Theobromine, NF, fib. dms.	lb.	4.50	—
Theobromine and sodium acetate, USP, fib. dms.	lb.	4.75	—
Theobromine sodio-salicylate, NF, fib. dms.	lb.	3.90	—
Theophyline, anhyd. or USP, 100-lb. dms.	lb.	3.65	—
Thiamine hydrochloride, USP, reg., fib. dms.	kilo.	36.00	—
USP, ampule grade, fib. dms.	kilo.	36.00	—
Thiamine mononitrate, USP, fib. dms.	kilo.	36.00	—
Thiocarbanilide, dms., ton lots	lb.	.72	—
dms., less ton lots	lb.	.74	—
Thiodiphenylamine (see Phenothiazine).			
Thioflavin green toner, brilliant, molybdated, PMA, kgs., works	lb.	5.20	—
Tungstated, PTMA, kgs., works.	lb.	6.20	—
Thioglycolic acid, refd., cbys., 100% basis	lb.	1.35	- 1.55
Thiosalicylic acid, purif., dms., 1,000-lb., lots, works	lb.	4.00	—
Thiourea, tech., bgs., t.l., frt. alld.	lb.	.30	—
bgs., ton lots, same basis	lb.	.32	—
bgs., less than ton lots, same basis	lb.	.33	—
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works	lb.	3.50	—
dl-Threonine, bots., 1-kilo lots.	kilo.	275.00	—
Thyme leaves, French, bgs.	lb.	.29	—
Spanish, bgs.	lb.	.14	—
Thyme oil, NF, red, cns., dms.	lb.	2.00	- 2.25
USP, white, cns.	lb.	2.20	- 2.60
Tech., white, cns.	lb.	.40	- 1.85
Thymol, fib. dms.	lb.	2.60	- 3.00
Thymol iodide, NF, dms.	lb.	7.30	—
Timbo root (see Cube root).			
Tin chloride (see Stannous chloride, anhyd.).			
Tin crystals (see Stannous chloride, hydrous).			
Tin metal (straits)	lb.	1.03	—
Tin oxide (see Stannic oxide).			
Tin sulfate (see Stannous sulfate).			
Tin tetrachloride, anhyd. (see Stannic chloride anhyd.).			
Titanium dioxide, anatase, ceramic, bgs., c.l., dlvd.	lb.	.25½-	—
bgs., l.c.l., dlvd.	lb.	.26½-	—
reg., bgs., c.l., dlvd.	lb.	.25½-	—
bgs., l.c.l., dlvd.	lb.	.26½-	—
Titanium dioxide, anatase, metallurgical, nat., bgs., c.l., f.o.b. Jacksonville, Fla.	ton.	180.00	—
bgs., 5-ton lots, Niagara, Falls, N.Y.	ton.	205.00	—
bgs., ton lots, same basis.	ton.	215.00	—
Milled metallurgical titanium dioxide $7.50 per ton higher.			
Titanium dioxide, rutile, non-chalking, bgs., c.l., dlvd. E.	lb.	.27½-	—
bgs., l.c.l., dlvd. E.	lb.	.28½-	—
Titanium dioxide-calcium pigment, 30% Ti O_2, reg., bgs., c.l., dlvd	lb.	.09⅜-	—
bgs., l.c.l., works	lb.	.09⅞-	—
Titanium dioxide-calcium pigment, 50% Ti O_2, high-tinting, dms. c.l.	lb.	.14⅜-	—
dms., l.c.l.	lb.	.14⅞-	—
Titanium hydride, powd., dms., works	lb.	8.10	- 9.00
Titanium tetrachloride, tech., dms., c.l., works	lb.	.26	—
dms., l.c.l., works	lb.	.27½-	.29
tanks, works	lb.	.20	—
Tobias acid, dms., c.l., t.l.	lb.	.78	—
dms., l.c.l.	lb.	.81	—
d-a-Tocopherols, mixed, NF, conc., pure basis, bots.	kilo.	67.00	—
d-a-Tocopheryl acetate, NF, conc., pure basis, bots.	kilo.	122.00	—
d-a-Tocopheryl acid succinate, cryst., bots.	kilo.	109.00	—
dl-a-Tocopherol, bots.	kilo.	99.00	—
dl-a-Tocopheryl acetate, bots.	kilo.	90.00	—
25% dry, powd., bots.	kilo.	22.50	-24.00
33⅓% dry, powd., bots.	kilo.	30.00	-31.50
o-Tolidine base, dry, kgs., 100% basis	lb.	1.55	—
Paste, kgs., 100% basis	lb.	1.50	—

Toluol

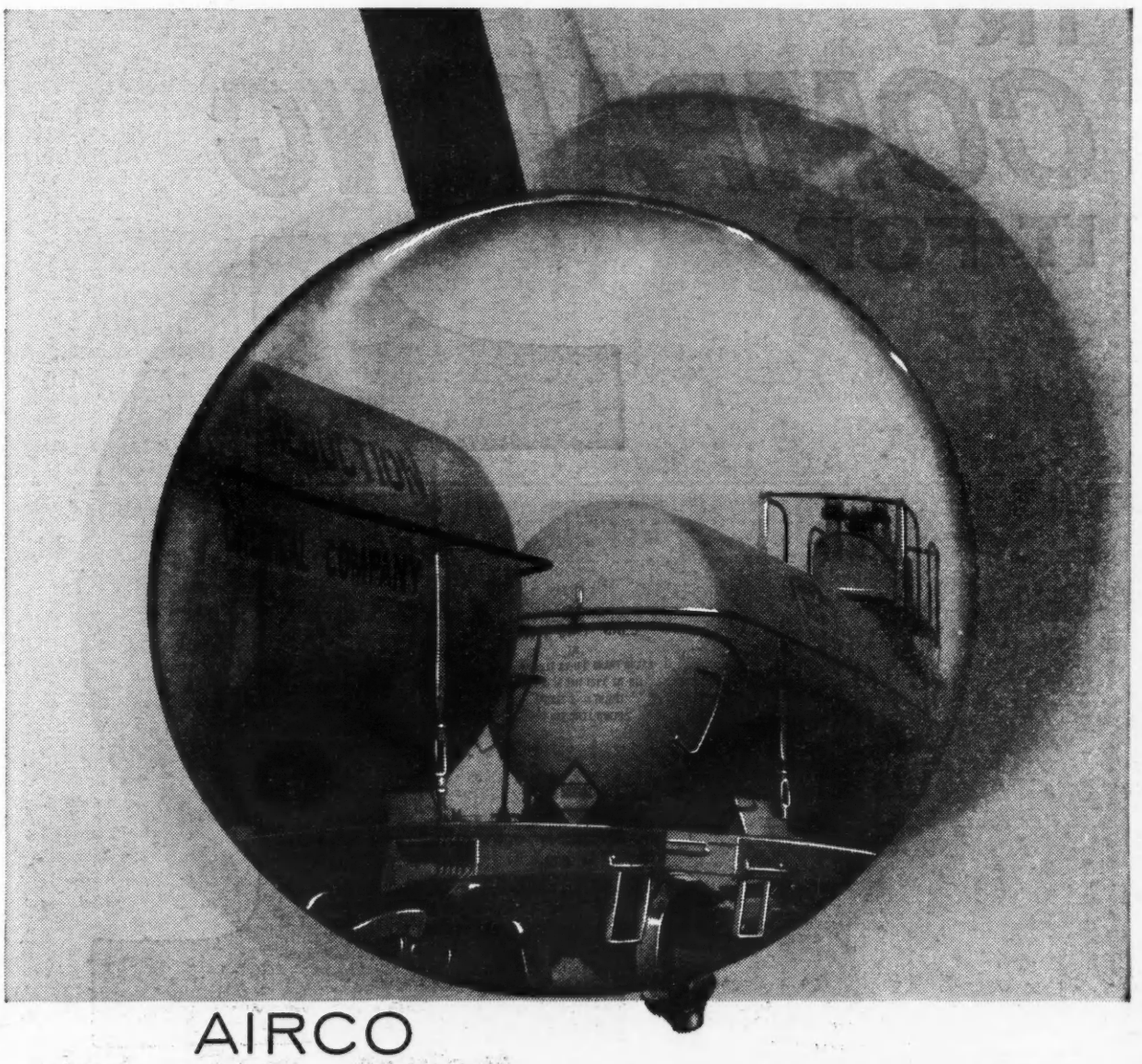
Toluol quotations, both coaltar and petroleum, may be found under Toluene.

o-Tolidine hydrochloride, paste, kgs., 100% basis	lb.	1.50	—
Tolu balsam, cns.	lb.	3.10	- 3.60
Toluene coaltar indust., or nitration, tanks, dlvd. E. of Rockies	gal.	.25	—
Toluene, petroleum, indust., tanks, dlvd. E. of Rockies	gal.	.25	- .32
p-Toluenesulfonamide, powd., dms., t.l., works	lb.	.60	—
dms., l.t.l., same basis	lb.	.63	—
Toluenesulfonic acid, dms., c.l., t.l., works	lb.	.17	—
dms., l.c.l., works	lb.	.18	—
p-Toluenesulfonic acid monohydrate, dms., c.l. or t.l.	lb.	.90	—
dms., 125 lbs. to t.l.	lb.	1.00	—
m-Toluidine, dms., c.l., works, frt. alld	lb.	.79	—
dms., l.c.l., same basis	lb.	.80	—
tanks, same basis	lb.	.78	—
o-Toluidine, dms., c.l., works, frt. alld	lb.	.30	—
dms., l.c.l., same basis	lb.	.31	—
tanks, same basis	lb.	.28	—
p-Toluidine, tech., flake, dms., frt. alld	lb.	.50	—
Cast, dms., frt. alld	lb.	.45	—
p-Toluidine-m-sulfonic acid, dms., works	lb.	.92	- 1.04
Toluidine red toner, deep shades, kgs., works	lb.	1.70	—
Light shades, kgs., works	lb.	1.70	—

2,4-Tolylenediamine, cryst., fib. dms., l.c.l., frt. alld.	lb.	1.10	—
Tonka beans, Angostura, cks.	lb.	1.50	- 1.60
Brazilian, Surinam, cs.	lb.	1.25	- 1.30
Tetaquine 100-oz. lots, cns.	oz.	.42	—
Toxaphene, dms., c.l., t.l., works.	lb.	.22	—
dms., l.c.l., l.t.l., works	lb.	.28	—
Tragacanth gum, No. 1, ribbons, cs.	lb.	3.75	- 4.00
No. 2, cs.	lb.	3.60	- 3.80
No. 3, cs.	lb.	3.15	- 3.25
USP, powd., bbls.	lb.	1.05	- 1.15
Triacetin, dms., c.l., dlvd. E. of Rockies	lb.	.39	—
dms., l.c.l., same basis	lb.	.40	—
tanks, same basis	lb.	.37	—
Triallylamine, dms., c.l., dlvd.	lb.	.985	—
dms., l.c.l., dlvd.	lb.	.995	—
tanks, dlvd.	lb.	.96	—
Tributyl citrate, tech., non-ret. dms., c.l., frt. alld. E. of Denver.	lb.	.42½-	—
non-ret. dms., l.c.l., frt. alld. E. of Denver	lb.	.43½-	—
tanks, frt. alld. E. of Denver	lb.	.40	—
Tributyl phosphate, dms., c.l., works.	lb.	.52½-	—
dms., l.c.l., same basis.	lb.	.53½-	—
tanks, same basis.	lb.	.50	—
Tributylamine, dms., c.l., works	lb.	.67½-	—
dms., l.c.l., same basis	lb.	.69	—
tanks, same basis.	lb.	.65	—
Trichloroacetic acid, bots.	lb.	2.00	- 2.50
Trichlorobenzene, dms., c.l., frt. alld. E.	lb.	.15	—
dms., l.c.l., frt. alld. E.	lb.	.16	—
tanks, frt. alld. E.	lb.	.13¼-	—
Trichlorobenzene prices in the West 1¾c. higher.			

1,1,1-Trichloroethane, dms., c.l., dlvd.	lb.	.13¼-	—
dms., l.c.l., dlvd.	lb.	.16¼-	—
tanks, dlvd.	lb.	.12¼-	—
1,1,2-Trichloroethane, dms., c.l., works	lb.	.13½-	—
dms., l.c.l., dlvd. E.	lb.	.14¼-	—
tanks, works	lb.	.11¼-	—
Trichloroethylene, dms., c.l., or t.l., works, frt. equald	lb.	.12	—
dms., l.c.l., frt. alld.	lb.	.15	- .16¾
tanks, works, frt. equald.	lb.	.12	—
Trichlorophenoxyacetic acid (see 2,4,5-T).			
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted.	lb.	1.40	- 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd.	lb.	.33	—
dms., l.c.l., dlvd.	lb.	.36	—
tanks, dlvd.	lb.	.32½-	—
Tricresyl phosphate, petroleum, dms., c.l., dlvd.	lb.	.34½-	—
dms., l.c.l., dlvd.	lb.	.35½-	—
tanks, dlvd.	lb.	.32½-	—
Tridecyl alcohol, mixed isomers, dms., c.l., dlvd. E.	lb.	.26½-	—
dms., l.c.l., dlvd. E.	lb.	.28	—
tanks, dlvd. E.	lb.	.24	—
Triethanolamine, dms., c.l., dlvd. E.	lb.	.24½-	—
dms., l.c.l., same basis	lb.	.25½-	—
tanks, same basis	lb.	.22	—
Triethanolamine lauryl sulfate, dms., c.l., t.l., frt. alld.	lb.	.25½-	—
dms., l.t.l., frt. alld.	lb.	.28½-	—
tanks, frt. alld.	lb.	.24½-	—

Triethylamine, dms., c.l., dlvd. E.	lb.	.50	—
dms., l.c.l., same basis	lb.	.51½-	—
tanks, same basis	lb.	.47½-	—
Triethyl citrate, refd., tech., non-ret. dms., c.l., frt. alld E. of Denver	lb.	.46¼-	—
non-ret. dms., l.c.l., frt. alld. E. of Denver	lb.	.47¼-	—
tanks, frt. alld. E. of Denver	lb.	.43¾-	—
Triethyl phosphate, dms., c.l., dlvd.	lb.	.40½-	—
dms., l.c.l., dlvd.	lb.	.41½-	—
tanks, dlvd.	lb.	.38	—
Triethylene glycol, dms., c.l. dlvd. E	lb.	.21	—
dms., l.c.l., dlvd. E.	lb.	.22½-	—
tanks, same basis	lb.	.18½-	—
Triethylenetetramine, dms., c.l., dlvd. E	lb.	.51½-	—
dms., l.c.l., dlvd. E.	lb.	.53	—
tanks, dlvd E.	lb.	.49	—
Tri-isopropanolamine, dms., c.l., dlvd. E	lb.	.23¼-	—
dms., l.c.l., dlvd E.	lb.	.24¾-	—
tanks, dlvd. E.	lb.	.20¾-	—
Trimethylamine, anhyd., cyls., l.c.l., frt. equald, 100% basis	lb.	.30	- .303
tanks, same basis	lb.	.26	—
25-40% soln., dms., c.l., works, frt. equald, 100% basis	lb.	.33	—
dms., l.c.l., works, frt. equald., 100% basis	lb.	.35½-	—
tanks, works, frt. equald, 100% basis	lb.	.26	—



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Trimethylol propane, dms., c.l., t.l., dlvd. E. lb. .39 - —
dms., l.c.l., l.t.l., same basis lb. .40 - —
Trioxane, pure, dms., c.l., t.l., works. lb. .50 - —
dms., l.c.l., works lb. .51½- —
Tripentaerythritol, c.l., t.l., dlvd. E. lb. .40 - —
bgs., l.c.l., l.t.l., dlvd., E. lb. .41 - —
Triphenyl phosphate, bbls., c.l., frt equald lb. .41½- —
bbls., l.c.l., frt. equald lb. .43½- —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., t.l., frt. alld. E lb. .21 - —
dms., l.c.l., l.t.l., frt. alld. E lb. .22 - —
tankcars and compartmented tankcars, frt. alld. E. lb. .18½- —
Tripropylene glycol, tankwagons and compartmented tankwagons, 1,000 gals. min., frt. alld. E lb. .19 - —
Tripropylene glycol prices 1c. per lb. higher in West.
Trisodium phosphate (see Sodium phosphate tribasic).
dl-Tryptophane, fib., dms., works. lb. 55.00 - —
Tung oil, dms., c.l., New York lb. .24½- —
dms., l.c.l., New York lb. .24¾- .25
tanks, New York lb. .23 - —
tanks, domestic mills lb. .22 - —
Tungsten metal, powd., 2.0-2.5 microns, dms., works lb. 3.54 - —
Tungstic acid, tech., dms., 1,000-lb. lots, works lb. 2.25 - —
dms., smaller lots, works lb. 2.45 - —
Turkey red, bbls., works lb. .62 - —
Turpentine, gum (see Protective Coatings market, Naval Stores).
Turpentine oil, NF, cns., dms lb. .28 - .50
Tuscan red, bbls., frt. equald. lb. .26 - .32
Tyrothricin, USP, 1 to 5 kilos gram. .54 - —

U

Ultramarine blue, cobalt type, dry or pulp, 250-lb. bbls., dlvd. E. of Rockies lb. .35 - .39½
Ultramarine blue, jobbing types, bbls., same basis lb. .19 - —
Regular types, dry bbls., same basis lb. .22½- .35
Ultramarine blue prices 1c. higher W of Rockies.
Umber pigment, burnt, American, bgs., c.l., works lb. .07½- .07¾
bgs., l.c.l., works lb. .07¾- .08
Turkey-type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y lb. .08¼- —
Umber pigment, raw, American, bgs., works lb. .07¾- .08¼
Turkey-type, bgs., works lb. .08½- .08¾
Undecylenic acid, dms. lb. 1.28 - —
Unicorn root, false (see Helonias root).
Unicorn root, true (see Aletris root).
Urea, 46% N, indust., bgs., c.l., t.l., dlvd. E. ton. 125.00 - —
bgs., l.c.l., dlvd. E. ex whse. ton. 145.00 - —
45% N, agricultural, bgs., c.l., (30 tons) dlvd. E. ton. 103.00 - —
Urea-ammonia liquor, A, B, C & F grades, N basis, tanks, frt. equal. ton. 120.00 - —
37 grade, tanks, same basis ton. 145.00 - —
Urethane, USP, dms., t.l., f.o.b., works lb. .65 - —
dms., l.t.l., same basis lb. .70 - —
Uva-ursi leaves, bls lb. .12 - —

V

Valerian root, Belgian, bgs lb. .32 - —
Indian, bgs. lb. .25 - —
dl-Valine, dms., works lb. 21.00 -27.50
Vanadium pentoxide, tech., dms., works lb. 1.28 - 1.33
Vandyke brown, bbls., works lb. .09½- .12
Vanilla beans, Bourbon, tins lb. 12.00 -12.50
Mexican, cuts, tins lb. 11.25 -11.75
whole, tins lb. 12.00 -12.50
Vanillin, ex lignin, 100-lb. fib. dms., 1,000-lb. lots or more lb. 3.00 - —
100-lb fib. dms., 500-lb. lots lb. 3.10 - —
100-lb. fib. dms., cns., 100-lb. lots lb. 3.25 - 3.35
Venetian red, jobbing, bgs., works. lb. .0475- —
20%, bgs., works lb. .0525- —
25%, bgs., works lb. .0575- —
30%, bgs., works lb. .06 - —
Venetian red, 35%, bgs., works lb. .0625- —
40%, bgs., works lb. .0675- —
Vetiver oil, Bourbon, cns. lb. 12.00 -14.50
Haitian, cns. lb. 11.50 -13.50
Victoria blue toner, molybdated, PMA, 250-lb. bbls., dlvd. E. of Rockies lb. 4.50 - —
Tungstated, PTA, 250-lb. bbls., dlvd. E. of Rockies lb. 5.55 - —
Victoria blue toner, bbls., prices 1c. higher W. of Rockies.
Vinyl acetate monomer, zone 1, 55-gal. dms., c.l., dlvd. lb. .20 - —
55-gal. dms., l.c.l., dlvd. lb. .21½- —
tanks, dlvd. lb. .17½- —
tanktrucks less than 4,000 gal., dlvd. lb. .18 - —
zone 2, 55-gal. dms., c.l., dlvd. lb. .21 - —
55-gal. dms., l.c.l., dlvd. lb. .24 - —
tanks, dlvd. lb. .18½- —
tanktrucks, less than 4,000 gals., dlvd lb. .19 - —
zone 1 is all continental US except zone 2. zone 2 comprises Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.
Vinyl n-butyl ether, tech., dms., l.c.l., works lb. .50 - —
Vinyl chloride monomer, tanks, works lb. .12½- —
Vinyl ether, tech., dms., c.l., works. lb. .26 - —
dms., l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Vinyl ether, USP, anesthesia, bots., 50cc., hospitals bot. 1.12 - —
bots., 75cc., hospitals bot. 1.56 - —
Vinyl ethyl ether, tech., dms., c.l., works. lb. .29¼- —
dms., l.c.l., works lb. .30 - —
tanks, works lb. .27½- —
Vinyl methyl ether, cyls., works lb. .30 - —
Cylinders are sold outright, or if shipped against deposit, a free period of sixty days is allowed; and if empties are returned prepaid and in good condition within that period full refund is made.
Vinyl propionate monomer, dms., c.l., dlvd. lb. .49 - —
dms., l.c.l., same basis lb. .50 - —
tanks, same basis lb. .47 - —
Vinyl trichloride (see Trichloroethane).
2-Vinylpyridine, 10 dms. to tanks, works lb. 1.20 - —
1 to 9 dms., works lb. 1.35 - —
tanks, works lb. 1.15 - —
Vinyltoluene, dms., c.l., f.o.b., works. lb. .16½- —
dms., l.c.l., same basis lb. .18½- —
tanks, f.o.b., dest., frt. prepaid lb. .14 - —
Viosterol, in nat. vegetable oil, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .02½- —
Virginia type red, bbls., works lb. 1.40 - —
Vitamin A acetate, syn., cryst., beads, 500,000 A units per gram gram. .07¼- —
dry, 500,000 units per gram, kilo lots kilo. 67.50 - —
325,000 units per gram, same basis kilo. 43.88 - —
250,000 units per gram, same basis kilo. 33.75 - —
Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.
Vitamin A, liq. in oil, 1,000,000 A units per gram, 1,000,000 units .10 - —
Vitamin A palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .10 - —
Vitamin A palmitate, liq. in oil, 1,000,000 A units per gram. 1,000,000 units. .10 - —
Vitamin B_1 (see Thiamine hydrochloride).
Vitamin B_2 (see Riboflavin and Yeast).
Vitamin B_{12}, cryst., USP, 1-50 grams, vials, tins gram. 139.00 - —
1% vitamin B_{12}, adsorbed on resin, 100 and 500-gram bots., 1-5 kilo dms. gram. 1.65 - —
Vitamin B_{12}, oral grade solids, in containers of 1 and 10 gram of B_{12} activity gram. 128.00 - —
0.1 percent trituration of cryst. B_{12} with dicalcium phosphate or mannitol, 1-10 kilo. 160.00 - —
Vitamin B_{12}, 1% vitamin B_{12} oral grade solids, adsorbed on resin, 100 and 500-gram bots., 1-5 kilo dms. gram. 1.33 - —
Vitamin C (see Ascorbic acid).
Vitamin D (see Codliver and Fish-liver oils, Calciferol and Viosterol).
Vitamin D_2, dry, 850,000 units per gram, kilo lots kilo. 42.50 - —
850,000 units per gram, less than kilo lots kilo. 45.00 - —
Vitamin E (see a-Tocopherol and Wheat germ oil).
Vitamin G (see Riboflavin).
Vitamin H (see Biotin).
Vitamin K, active (see Menadione).
Vitamin K_1, 25 gram bots. gram. 4.50 —
Violet methyl toner (see Methyl violet toner).
VM&P naphtha (see Naphtha, VM&P, petroleum).

W

Wahoo root bark, bls. lb. 2.25 - 2.50
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.95 - —
dms., 25-49-lb. lots, New York or Chicago lb. 2.05 - —
dms., 5-24-lb. lots, New York or Chicago lb. 2.15 - —
Watchung-type reds, bbls. lb. 1.95 - —

Waxes

Wax quotations are listed individually. For example, prices on Wax, carnauba, may be found in the C's under Carnauba wax.

Wheat germ oil, 5-gal. dms. gal. 12.25 - —
Wheat starch (see Starch, wheat).
White lead (see Lead, white).
White mineral oil (see Mineral oil, white).
White pine bark, rossed, bls. lb. .16 - .20
White precipitate, USP, powd., dms., lb. 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .16 - .20
Thin, rossed, bls. lb. .21 - —
Wintergreen oil, USP, nat., northern, cns lb. 6.35 -17.50
USP, nat., southern, cns. lb. 3.75 - 7.00
Wintergreen oil, syn. (see Methyl salicylate).
Witch hazel bark, bls. lb. .16 - .17

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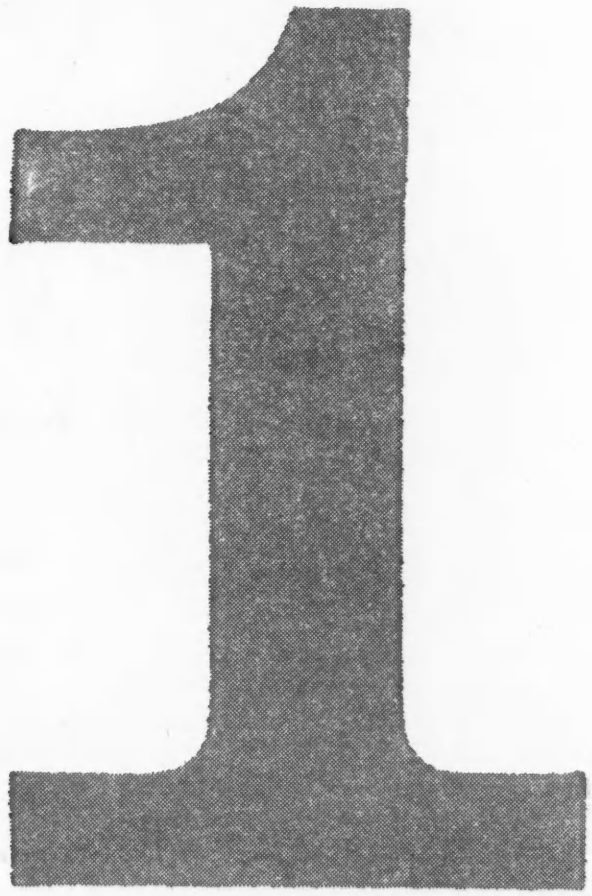

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Witch hazel leaves, bls. .....lb. .22 - —
Wollastonite, fine, bgs., c.l., works. ton.39.50 - —
bgs., l.c.l., ex whse. .....ton.56.00 - —
Medium, bgs., c.l., works....ton.27.00 - —
bgs., l.c.l., ex whse. .....ton.44.00 - —
Wood alcohol (see Methanol).
Wood oil (see Tung oil).
Woolfat, crude (see Degras).
Woolfat, USP (see Lanolin).
Wormseed, Levant, bgs.....lb. 2.50 - —
Wormseed oil (see Chenopodium oil, NF).
Wormwood oil, cns. .....lb. 4.90 - 5.85

X

Xylene, coaltar, indust., tanks, works:
Bethlehem, Pa. .....gal. .29 - —
Birmingham dist. .....gal. .29 - —
Chicago dist. .....gal. .28½- —
Cleveland dist. .....gal. .29 - —
Geneva, Utah .....gal. .29 - —
Johnstown, Pa. .....gal. .29 - —
Lackawanna, N. Y.....gal. .29½- —
Lone Star, Tex. .....gal. .27 - —
Lorain, Ohio .....gal. .29 - —
Middletown, Ohio .....gal. .30 - —
Minnequa, Col. .....gal. .29 - —
Philadelphia dist. .....gal. .29 - —
Pittsburgh dist. .....gal. .29 - —
Sparrows Point, Md. .gal. .29 - —
Terre Haute, Ind. .....gal. .29 - —
Youngstown, Ohio .....gal. .29 - —
Xylene, petroleum, indust., tanks, f.o.b. works:
Bayonne, N. J. .....gal. .29 - —
Baytown, Tex. .....gal. .27 - —
Charleston, S. C. .....gal. .29 - —
Chicago, Ill. .....gal. .28½- —
Detroit, Mich. .....gal. .29 - —
Houston, Tex. .....gal. .27 - —
Philadelphia, Pa. .....gal. .29 - —
Providence, R. I. .....gal. .30 - —
Sewell's Point, Va. ....gal. .28 - —
Wood River, Ill. .....lb. .28½- —
Xylenol, cryst., 45°-47° C., m.p., dms., l.c.l., works lb. .23 - —
56°-58° C., m.p., dms., l.c.l., works, frt. equald lb. .33 - —
60°-62° C., m.p., dms., l.c.l., same basis lb. .40 - —
Xylenol fraction, b.r. 7°-9° C., dry above 227° C., dms., c.l., same basis gal. 1.25 - —
dms., l.c.l., same basis gal. 1.30 - —
tanks, same basis.....gal. 1.05 - —
Xylenol fraction, b.r. 7°-9° C., dry at or below 227° C., dms., c.l., same basis gal. 1.35 - —
dms., l.c.l., same basis gal. 1.40 - —
tanks, same basis.....gal. 1.15 - —
2,4-Xylidine, tech., dms., frt. alld. lb. 1.15 - —
2,5-Xylidine, tech., dms., frt. alld. lb. 1.20 - —
Xylidines, mixed, o-m-p, dms., c.l., or t.l., works..lb. .39 - —
dms., l.c.l., same basis.....lb. .40 - —
tanks, same basis.....lb. .38 - —

Xylol

Xylol quotations, both coaltar and petroleum, may be found under Xylene.

Y

Yara yara oil, cns. .....lb. 2.15 - 3.05
Yeast, brewers, debittered, USP, Saccharomyces dlvd lb. .27 - —
Yeast, brewers, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
USP, 90 Int'l B units per gram, 100-lb dms. lb. .52 - —
USP, 200 Int'l B units per gram, 100-lb. dms. lb. .56 - —
USP, 300 Int'l B units per gram, 100-lb. dms.....lb. .60 - —
Torula, USP, dlvd.....lb. .18 - —

Yellow Pigments

Yellow pigment quotations are listed individually. For example, prices on Yellow, benzidine, may be found in the B's under Benzidine yellow.

Yerba santa leaves, bls. .....lb. .50 - .55
Ylang-ylang oil, Bourbon, bots..lb. 7.00 -22.00
extra, bots. .....lb.28.00 -33.00
Yohimbine hydrochloride, bots., tins. oz. 3.75 - 4.25

Z

Zein, bgs., 36,000-lb. lots or more, bgs., 500-lb. lots or more, dlvd. lb. .343 - —
bgs., smaller lots, dlvd .....lb. .373 - —
Zinc acetate, NF, VIII, dms. ...lb. .53 - —
Tech., dms., l.t.l., works.....lb. .29¼- —
Zinc borate, bgs., 1,000 lbs or more, works lb. .23 - —
bgs., less than 1,000 lbs., same basis lb. .25 - —
Zinc chloride, NF, gran., dms lb. .42 - —
NF, precip., powd., dms.....lb. .36 - —
Tech. soln., 50%, dms., c.l., works. 100 lbs. 5.80 - —
dms., l.c.l., works ....100 lbs. 6.40 - —
tanks, works .....100 lbs. 5.15 - —
Zinc chloride, tech., fused, dms., c.l., works..100 lbs.10.70 - —
dms. l.c.l. works ...100 lbs.11.20 - —
gran., fib. dms., c.l., works. 100 lbs.11.45 - —
fib. dms. l.c.l., works 100 lbs.11.95 - —
Zinc chromate, bbls., dlvd. .....lb. .29 - —
Basic, bbls., dlvd. .....lb. .34 - —
Zinc cyanide, dms., 1,000-lb. lots or more, works lb. .55 - —
dms., smaller lots, works .....lb. .57 - —
Zinc dust, comml., bbls., c.l., works. lb. .1460- —
Pigment, bbls., c.l., works.....lb. .15 - —
bbls., l.c.l., works.....lb. .16 - —
Zinc fluoride, bbls., works ....lb. .49 - .50
Zinc hydrosulfite, dms., c.l., frt. alld lb. .21½- —
dms., l.c.l., frt. alld. .....lb. .23½- —
Zinc metal, prime western, slabs, E. St Louis lb. .11 - —
Prime western, slabs, New York. lb. .11¼- —
Zinc naphthenate, liq., 8% Zn., dms., frt. alld lb. .27 - —
10% Zn., dms., frt. alld lb. .33 - —
Zinc nitrate, tech., cryst., bbls., works lb. .20 - —
Zinc oxide pigment, American process, lead-free, bgs., c.l., frt. alld..lb. .14½- —
bgs., l.c.l., 10 tons or more, same basis..lb. .15 - —
bgs., l.c.l., smaller lots, same basis..lb. .15½- —
leaded, 35%, bgs., c.l., mills, frt. alld..lb. .15½- —
bgs., l.c.l., 10 tons or more, same basis..lb. .15⅝- —
bgs., l.c.l., smaller lots, same basis..lb. .16⅛- —
leaded, 50%, bgs., c.l., same basis...lb. .15⅜- —
bgs., l.c.l., 10 tons or more, same basis..lb. .15⅞- —
bgs., l.c.l., smaller lots, same basis..lb. .16⅜- —
Zinc oxide pigment, French process, green seal, bgs., c.l., mills, frt. alld..lb. .16¼- —
bgs., l.c.l., 10 tons or more, same basis..lb. .16¾- —
bgs., l.c.l., smaller lots, same basis..lb. .17¼- —
red seal, bgs., c.l., same basis. lb. .15¾- —
bgs., l.c.l., 10 tons or more, same basis..lb. .16¼- —
bgs., l.c.l., smaller lots, same basis..lb. .16¾- —
white seal, bgs., c.l., same basis..lb. .16¾- —
bgs., l.c.l., 10 tons or more, same basis..lb. .17¼- —
bgs., l.c.l., smaller lots, same basis..lb. .17¾- —
Zinc oxide, USP, dms., c.l., frt. alld. lb. .18¼- —
dms., l.c.l., 10 tons or more, same basis lb. .18¾- —
dms., l.c.l., smaller lots, same basis..lb. .19¼- —
Zinc phenolsulfonate, NF, gran., dms lb. .43 - .46
NF, powd., dms.....lb. .48 - .49
Zinc resinate, precip., 7.2-7.6% Zn., dms., frt. alld lb. .36¼- —
Zinc silicofluoride, dms., works lb. .12½- .14
Zinc stearate, tech., USP, ctns., c.l., lb. .41 - —
ctns., l.c.l. .....lb. .42 - .46
Zinc sulfate, powd., monohydrate, 36% Zn., bgs., c.l., dlvd. E 100 lbs. 8.75 - —
bgs., l.c.l., dlvd. E 100 lbs. 9.75 - —
USP, gran., dms. .....lb. .26 - —
Zinc sulfate in bbls. 40c. higher.
Zinc sulfide pure, bgs., c.l., dlvd lb. .2530- —
Zinc undecylenate, dms. .....lb. 2.00 - —
Zinc yellow (see Zinc chromate).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs.10.25 - —
bbls, c.l., works .....100 lbs.10.85 - —
bbls., l.c.l., works .....100 lbs.11.35 - —
Zinc-formaldenyde sulfoxylate, basic, 300-lb. dms., frt. alld lb. .26 - —
normal, 250-lb. dms., frt. alld lb. .52 - —
Zircon (G), gran., bgs., c.l., works. lb. .03½- —
bgs., 5 tons to c.l., works lb. .03⅝- —
bgs., 1 ton to 9,999-lb. lots, works. lb. .04 - —
bgs., smaller lots, works....lb. .06½- —
Zircon (G), milled, bgs. c.l., works lb. .04⅛ —
bgs., 5 tons to c.l., works lb. .04⅛ —
bgs., 1 ton to 9,999-lb. lots, works lb .04⅝ —
bgs., 500-1,999-lb. lots, works lb 07½ —
Zircon (G) in barrels 1c. higher.
Zirconium acetate, soln. 13% ZrO_2, dms., c.l., 30,000 lbs. min., works lb. .23 - —
Zirconium hydride, powd., electronic grade dms., works lb.14.00 -15.00
Zirconium oxide, CP, white, grd., bbls. or bgs., works lb. 1.50 —
Zirconium oxide, electric-fused, lump, bgs., 500 to 1,999-lb. lots, works lb. .45½- —
bgs., smaller lots, works lb. .48 - —
milled, bgs., c.l., works .... lb. .59 - —
bgs., 5-ton lots, works .... lb. .59½- —
bgs., 1-ton to 9,999-lb. lots, works lb. .60 - —
bgs., 500 to 1,999-lb. lots., works lb. .60½- —
bgs., smaller lots, works lb. .63 - —
Glass polishing grade, 94-97% ZrO_2, bgs., works..... lb. .55 - .65
Opacifier grade, 85-90% ZrO_2, bgs., lb. .27 - .50
Stabilized oxide, 91% ZrO_2, milled, bgs lb. .62 - .85
Zirconium oxychioride, cryst., ctns., 5-ton lots, works.....lb. .35½- —

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Tricalcium phosphate	13.00	Manganese sulfate	0.10
Magnesium sulfate	10.00	Cobalt sulfate	0.02
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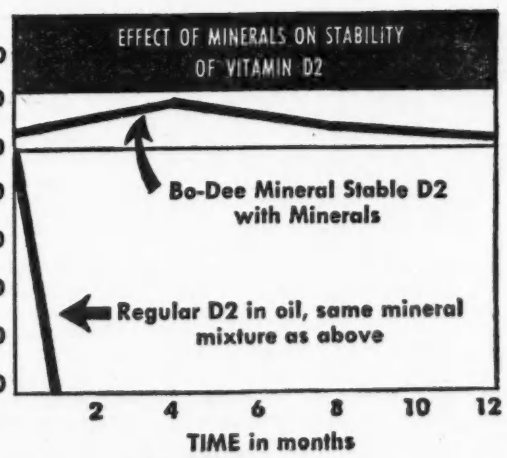

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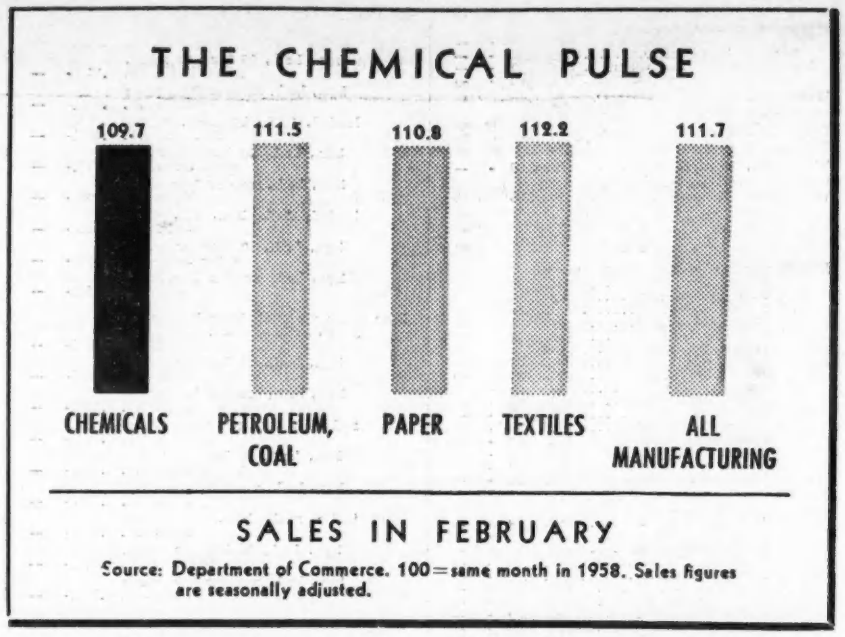

PATO Is Needed

There is a big lesson for United States business in the potentialities of the common market plan for Latin America discussed in "Washington Talks It Over" last week. What is to be learned—must be learned—is how to construct and operate an all-round adequate Pan-American Treaty Organization. The Western hemisphere needs it. And because of its position in that region, the United States has the biggest need.

The most pressing need, however, is on the part of Latin America. That is why the UN economic commission for that area has given so much attention to the construction of a common market program with a wide variety of commodity divisions. A specific motivation of that group came from its finding that Latin-American exports in 1958 were off $700,000,000, or 8 percent, from those in 1957. The chief cause was lower prices for major items, such as coffee, sugar and nonferrous metals. One of the main reasons for the price situation was the reduction of purchases by the United States because of the recession—and the imposing of quotas on imports of petroleum and lead and zinc.

Economic expansion and activity were more widely slowed up last year than in 1957; Cuba and Venezuela went into slumps after several years of progress. Colombia alone earned enough more than it spent to be able to add to its financial reserves. Even Brazil and Mexico, which continued to press forward and upward industrially, had to draw heavily upon their reserves.

The UN survey found that one of the major contributors to the financial plight of Latin-American countries was inability—or failure—adequately to develop essential manufacturing, petroleum production, and crop farming. Behind those shortcomings was reported to have been political and commercial inability to attract adequate investment of foreign capital. That was reported to have been especially hampering in Argentina, where the blame was widely laid upon its president's concentration upon US approaches, with an alleged neglect of the potentialities of European financial sources, official and private. One of the most common complaints was that US investors were motivated almost wholly by what they wanted to get, and very little, if at all, by what the Argentine economic condition needed.

An earnest endeavor to work out improvement for the economic conditions of South and Central America was revived at the recent economic conference of the Organization of American States. Its objective was coordinated development of the two regions on an international scale. That plan could not provide adequate means of relief, however it might be hitched up with GATT potentialities. That endeavor must be of full hemispheric scale and scope. To get that a Pan-American Treaty Organization must be satisfactorily available.

For Free-World Welfare

This is the week of the Soviet deadline on the presence in Berlin of military forces of the nations of the free world. Deliberations under various aspects of that situation have done little other than confuse everything. But, it is certain that there will be no evacuative disengagement and that nothing will come of it for several more months.

The council of the North Atlantic Treaty Organization unanimously accepted and endorsed the western so-called "package" on the German situation and its relation to European security. But, NATO being a somewhat loosely allied group, that action cannot mean much in terms of the objections and compromises that have mussed up the package.

NATO is making a commendable effort to become more actually and purposefully an agency of service for free world welfare. Its parliamentarians recommended several months ago that a conference be officially called "composed of leading representative citizens selected on a nonpartisan basis and directed to convene as often as necessary in order to examine exhaustively and to recommend how greater cooperation and unity of purpose envisioned by the North Atlantic Treaty within the Atlantic Community may best be developed." Concurrent resolutions in support of that recommendation were introduced in the two houses of congress March 19, inviting participation by NATO delegates in a convention "to explore and to report to what extent their people might, within the framework of the United Nations and in accord with the basic principles of the Constitution of the United States, achieve more effective and democratic unity in advocating their common economic and political affairs, their joint defense, and the aims of world peace and individual freedom."

Out of that movement has come the Atlantic Congress, an organization of prominent citizens from the fifteen NATO countries, whose objective is to widen the popular support of the alliance and to study the broadening of its functions. The new organization will hold a five-day conference in London, beginning June 5, purposed to "focus greater public attention in each country on the problems before NATO and to seek ways of forging NATO . . . into an organization that can further the political, economic, and cultural interests of the western world and its allies."

There is much to be done in the direction of the objectives of the London conference. It is highly desirable—and widely necessary—that it be accomplished. NATO must be built up to its full potentialities in all areas of economics. It should be a world federation aimed along the advice given recently to the Association of Parliamentarians for World Government by a British former prime minister: "All the nations in the world must try to create a world constitution and a world system of law," and the campaign of the committee on world peace through world law of the American Bar Association, "seeking ways of replacing the rule of terror with the rule of law throughout the world."

Washington Talks It Over

Friends of a Science Department in the Cabinet Are Off on a New Tack That They Hope Will Put The Unit Just Where They Want to See it Within the Next Three Years.

By Ralph L. Cherry
Washington Editor

Those who are advocating that science be elevated to Cabinet rank—and there are many both in and out of congress—are taking a new tack which is calculated to place the issue in clearer focus, win more friends and cap their drive with success, possibly within three years. A Hoover-type study commission may very well be established before the end of this year designed to come up with some answers to the question of whether a Department of Science and Technology is needed—and, if so, how it should be set up.

Such a department, which would become the eleventh member of the President's official family, became a prominent issue just after Russia put its first Sputnik into orbit in 1957.

During the last congress, there probably were more bills introduced to create such a department than on any other single subject. If established, such a department would become the chemical industry's biggest voice in the government.

This year there has not been quite the same amount of agitation for the new Cabinet office, simply because President Eisenhower cut some of the ground out from under the advocates by establishing his Federal Council for Science and Technology a few days before congress convened last January. But the demand still exists strongly. Chief proponent in congress is Sen. Hubert Humphrey of Minnesota, who is running hard for the Democratic nomination for President.

During hearings last month on a bill he is sponsoring, Mr. Humphrey ran into a variety of opinions on whether science should be given Cabinet rank. He is resuming the hearings this week and will be asking witnesses to comment also on the proposal that a commission be established to study the question of a separate department on science.

He has gathered considerable support for the idea, even among the President's Cabinet. Commerce Secretary Lewis L. Strauss is being quoted by the senator as saying that an impartial commission along the lines of the Hoover commission "would be an excellent idea."

The proposal is for a commission of sixteen members, eight appointed by the President and four each by the house and the senate. The commission would conduct two basic studies on (1) the desirability of establishing a Department of Science and Technology, and (2) what functions should be transferred to such department. It is to report back by May 31, 1960.

OPD'S BOOKSHELF

CSMA Meeting Report

In its published PROCEEDINGS*, Chemical Specialties Manufacturers Association presents the committee reports and all technical papers given at its forty-fourth midyear meeting.

*PROCEEDINGS OF THE CHEMICAL SPECIALTIES MANUFACTURERS ASSOCIATION—THE FORTY-FOURTH MIDYEAR MEETING. Chemical Specialties Manufacturers Association, New York.

Chemical Engineering Primer

Designed as a beginning text for students in chemical engineering and related professions, Charles E. Littlejohn and George F. Meenaghan's book: AN INTRODUCTION TO CHEMICAL ENGINEERING,* contains material which has to be mastered before going into the study of unit operations and thermodynamics (a college edition is available at a lower price). The book deals with such fundamentals as graphs and graph paper, dimensions and conversions, process variable, molecular units, compositions of mixtures and solutions, pressure/volume/temperature relationships, energy balances, and equilibria in chemical systems.

* AN INTRODUCTION TO CHEMICAL ENGINEERING. By Charles E. Littlejohn and George F. Meenaghan. 271 pages. Reinhold Publishing Corporation, New York. $7.50.

The Making of Silicones

Robert Meals and Frederick M. Lewis' volume, SILICONES*, covers the manufacture, physical properties, and applications of silicone resins, fluids and rubbers. The use of the materials as chemicals, rubbers, adhesives, sealants, fluids, greases, surface coatings and resins is illustrated by actual industrial case histories.

*Silicones, by Robert Meals and Frederick M. Lewis. Reinhold Publishing Corporation, New York. $5.95.

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Heavy Chemicals

A major phosphorus producer, bogged down by burner trouble these past few weeks, hopes to get back to capacity output this week now that the installation is in working order. This also will mean resumption of phosphoric acid production at its three processing plants in time, it is hoped, for the tail end of the fertilizer season. Corn farmers who were unable to buy the material at planting time, will be in the market for it later with plans to use it as a side-dressing, trade sources said. Phosphate output also will be stepped-up, these sources said, to meet whatever fertilizer demand remains.

With price changes lacking, most of this week's report concerns itself with production and shipment data. Apparently just about everything is at a boom level. Steel output soared to 11,272,000 net tons in April, establishing a record for that month, and 41,760,068 tons during the first four months, an increase of 71.7 percent over the similar period of last year. Shipment figures for aluminum and copper also are at or nearing record levels, as may be seen below.

A third major producer last week confirmed the borax and boric acid advances that have been scheduled for July 1. This makes the move unanimous. Crystalline boric acid will be raised $3.50 per ton in carlots and granular by that amount in both bulk and carlots, but anhydrous will be left unchanged. Granular borax is to advance $2.50 for decahydrate and $1.50 for pentahydrate, and anhydrous $4.50 in all brackets.

The American Paper and Pulp Association reported production for the week ended May 16, at 96.0 percent of theoretical capacity as compared with the revised figure of 94.8 percent for the previous week, and 87.9 percent for the corresponding week of last year.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	May 23, 1958
107.40	107.40	106.96	104.40

For Current Prices see page 9

Acids

The following preliminary figures, compiled by the Bureau of Census, report production of specified acids in tons:

	Feb.	Jan.
Hydrochloric	83,969	*78,259
Nitric	267,215	240,969
Phosphoric	166,898	145,635
Sulfuric (gross)	1,579,878	1,406,267

* Revised.

Boric—The July 1 price advances were confirmed last week by a third major producer, making the move just about industrywide. Crystalline material will be raised $3.50 per ton to $163.50 in carlots and granular by that amount to $112 in carlots and $106 in bulk, but anhydrous is to remain unchanged at $335, carlots. Higher costs lie behind the advance, all producers agreed.

Hydrochloric—Good steel demand kept material moving along last week. Chemical and petroleum accounts were also reported active.

Hydrofluoric—Soaring output of aluminum, indicated by figures given below under nonferrous metals, has further activated this market. Also contributing to the brisk tone were fluorinated organic accounts.

Phosphoric—Demand for fertilizer grade has been much higher than anticipated and, unfortunately, much higher than can be filled at present, according to informed sources. While there is always a seasonal shortage of minor extent and short duration, this is the first time in a while that the material has been critically tight, badly out of balance.

The main bottleneck to output, as all in the trade know, was the phosphorus burner trouble encountered by two major producers of the raw material. Now that this has been cleared up and both are looking forward to capacity production, the picture is expected soon to improve. Producers are confident that the fertilizer trade will get enough material later on in the season to enable corn farmers to apply a side dressing.

Sulfuric—Steelmaking furnaces, where much of this acid goes, poured 11,272,000 net tons of ingots and steel for castings during April, a record for that month, according to a report of the American Iron and Steel Institute. During the first four months of the year, output mounted to 41,760,068 tons, an increase of 71.7 percent over the 24.3 million produced in the similar period of last year.

Based on the January 1, 1959 capacity rating of 147,633,670 tons annually, the steelmaking facilities were utilized at an average rate of 92.9 percent of capacity during April, as compared with 92.9 percent in March, and 86 percent for the first four months as a whole.

Bases and Salts

The following preliminary figures, compiled by the Bureau of Census, report production of specified chemicals in tons:

	Mar.	Feb.
Calcium carbide	81,730	79,190
Caustic soda, all processes	344,306	*364,353
Chlorine gas	310,896	331,374
Soda ash, syn.	362,270	356,959
Nat.	50,251	51,982

* Revised.

Borax—A third major producer has gone along with the July 1 price advances first announced three weeks ago, thereby making the move just about industrywide. The new list, when it goes into effect, will tab anhydrous borax at $92 in carlots and $83 in bulk, both up $4.50. Granular will be raised $2.50 for decahydrate to $50 in carlots and $43.50 in bulk, and $1.50 for pentahydrate to $64.50 in carlots and $58 in bulk. The schedule for smaller quantities will be raised by the same amounts.

Caustic Soda—As reported in this space last week, a major firm's barging rates for caustic soda will be raised to $3.49 per liquid ton on July 1 to reflect higher costs. This price, representing an advance of 19c., will apply to a full barge of 2,500 liquid tons.

Nonferrous Metals

Aluminum — Net shipments of aluminum pig and ingot totaled 117,042,000 pounds in March, as compared with 99,853,000 in February and only 59,895 in March a year ago. For the same month, mill products totaled 272,922,000 pounds as against 231,768,000 in February and 187,023,000 a year earlier. These data were issued by the Department of Commerce.

Aluminum's market abroad seems to be strengthening. One symptom of this, and a salutary one from the domestic producer's point of view, is the lessened interest in the American market on the part of sellers abroad. If this situation should continue, informed sources say, it would lead to elimination of the price discounts now in effect.

Copper — Consumption of copper-base raw materials at mills and foundries advanced 50 percent in March, according to Commerce Department data. In the course of the month, 138,000 tons of refined copper were consumed, 10 percent more than in February and 47 percent more than in March a year ago. Preliminary reports indicated that wire mills consumed 80,000 tons, an advance of 14 percent, and brass mills 55,000 tons, an advance of 4 percent. These figures were 43 and 57 percent greater, respectively, than those for March 1958.

Consumption of scrap, at 79,000 tons, was only 11 percent higher than in February but 55 percent ahead of March 1958. Brass mills, using 35,000 tons, accounted for most of the increase, this figure being a full 75 percent higher than that reported a year ago. Ingot makers consumed 24,000 tons in March, for an advance of 33 percent over the year-ago figure.

Similar rises were indicated for scrap receipts. At 81,000 tons, these were 13 percent ahead of February and 47 percent ahead of March a year ago. Again brass mills were credited for most of the rise, with consumption of 34,000 tons for a 62 percent advance over March 1958.

Exports of refined copper advanced 10

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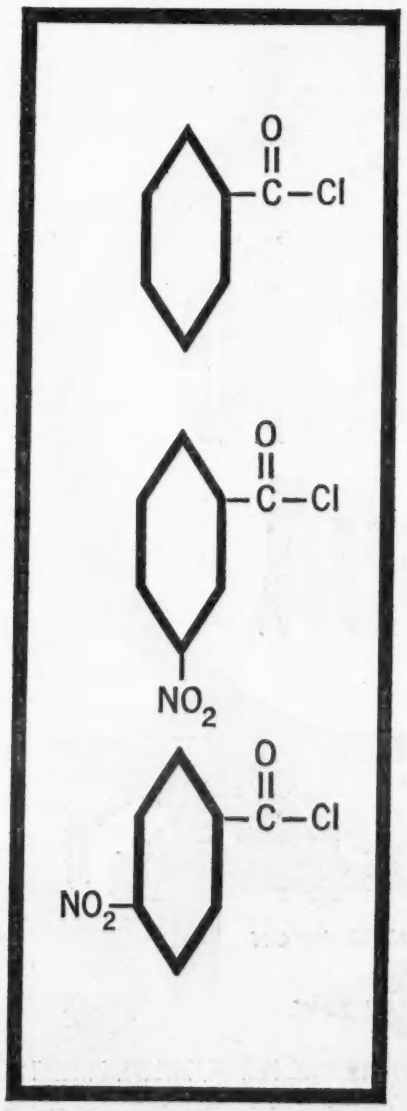

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Heavy Chemicals

percent ahead of February, but fell 17 percent behind the previous March, totaling 19,000 tons. By the end of the month, refined supply had risen to 158,000 tons, an advance of 13,000 for the month, and 20,000 higher than a year earlier.

Output of primary refined copper rose from 121,000 tons in February to 131,000 tons in March, just five percent below the all-time monthly high of 138,000 tons reached in December 1958, and 25 percent greater than the total for March 1958.

Secondary output was 23,000 tons, 2,000 better than February and 7,000 better than March a year ago. But these increases were partially offset by greatly reduced imports of refined—3,000 tons in February and 4,000 in March as opposed to 15,000 and 17,000 tons, respectively, in the corresponding months of 1958.

Lead—Quotation was steady at 12c. per pound, New York against sales of 13,255 tons. Price undertone was rated firm, the result of consumers' belief, based on good evidence, that the world supply picture was moving toward balance.

Magnesium — Commercial output of primary magnesium during the first quarter totaled 5,527 tons, according to the Bureau of Mines, a narrow decline of 76 tons from the figure reported a year earlier. The base price held at 35¼c. per pound for standard 42-pound pig form throughout the quarter.

Shipments scored a sharp advance to 10,328 short tons, three percent above the fourth quarter and 34 percent above the first quarter of 1958.

Mercury—Supply was still on the light side, but with consuming interest at a slow to moderate level, there was no tendency of prices to advance. Price was quoted at $245 to $247 per flask, minimum ten flasks, spot, the inside price unchanged from a week ago, the outside price $3 lower.

Silver—Market was quiet and price unchanged at the long-standing level of 91⅜c. per troy ounce, spot.

Tin—Market fluctuated narrowly, closing Friday at $1.03 per pound, spot.

Zinc—Sales continued at a brisk rate, the total for the past four weeks being estimated at twice the level reported for the similar period of last year. The high demand has been sparked by steel requirements for prime western, it was reported.

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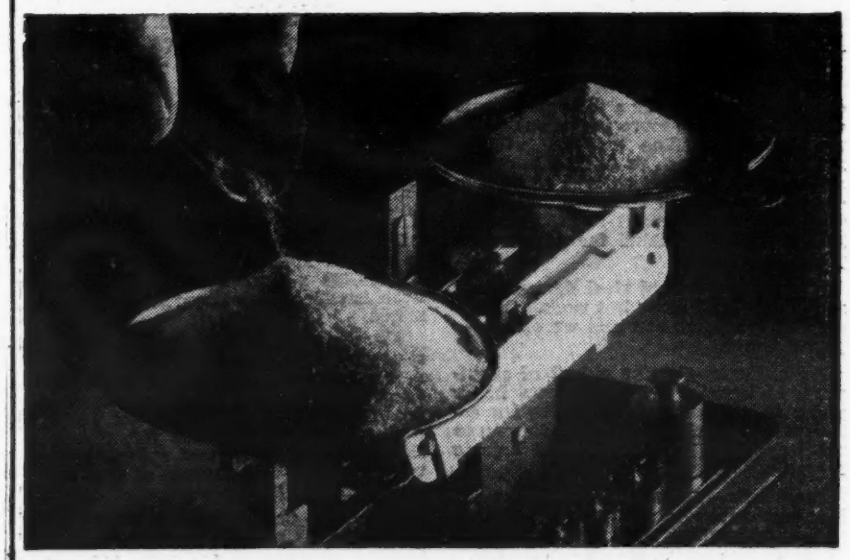

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Jobs & People

Houghton Laboratories, Inc., Olean, N. Y.—**Reginald C. Whitson** has been named to the new post of marketing manager.

International Nickel Company of Canada, Ltd.—**Thomas Archibald Stone** has been named special assistant to the president of the firm.

Metal & Thermit Corporation, New York—**A. S. Pollock** has been appointed plant manager of the organic coatings division.

Monsanto Chemical Company, St. Louis, Mo.—**J. N. Flanagan** has been named administrative assistant to the director of marketing of the company's plastics division.

Rhodia, Inc., New York—**Everett J. Weaver** has been named sales representative of the aromatic and odor control division for Texas.

Shulton, Inc., New York—**Heinz Eiermann** and **Robert Goldemberg** have been made associate directors of toiletries research.

Sun Chemical Corporation, New York—**Ben A. Gorlin** has been named sales manager of Ampruf Paint Company, a division of Sun Chemical.

Petrochemicals Growth Rate

—Continued from page 3

pounds of new production will make their way to market.

• Butylene Chemicals—Will grow at a rate of 5 to 6 percent a year, with some 900 million pounds of new capacity added.

In addition to all this, Mr. James says we can expect 300 to 500 million pounds of output from the newer petrochemicals.

Methane chemicals cannot keep pace with their previous 13.4 percent growth rate, Mr. James feels, largely because ammonia accounts for better than three-quarters of this category and farmers are becoming much more difficult to convince of the need for large new quantities of nitrogen.

Though polyethylene should expand from 708 million pounds in 1957 to 1.2 billion pounds in 1964, he's of the opinion that it cannot carry the major load of keeping the ethylene chemicals moving at their past rate.

For one thing, he points out, "synthetic ethyl alcohol has grown very well, but largely at the expense of fermentation alcohol, and little remains for it to capture."

Ethylene oxide, he concedes, has a lot of growth ahead in other uses than antifreeze, particularly in non-ionic detergents, but he can't see where it will even approach its 12.6 percent growth rate of the past seven years.

Rubber Share at Maximum

"Styrene will probably slow down," Mr. James believes, "because SB-R rubber has cut about as heavily into natural rubber consumption as it can, and polystyrene plastics are under heavy competition from other plastics."

Of the propylene chemicals, he says, polypropylene is the only product that shows indications of growing at a high rate.

Dodecyl benzene and isopropyl alcohol have leveled off, he notes, adding that they may be properly regarded as mature products now.

Propylene oxide, after showing no signs of life for many years, has finally begun to climb—due primarily to the growth of polyether resins.

Butylene chemicals cannot keep up their past fast pace, Mr. James believes, because the butadienes, which make up close to 70 percent of the C_4 intermediates, go mainly into SB-R rubber.

However, if the rubber industry decides to use polybutadiene to extend natural rubber, rather than to manufacture polyisoprene as well, then there could be a boom for the former.

"New capacity for polybutadiene," he reports, "is being erected now along with polyisoprene and it is too early to determine whether one will predominate over the other."

New petrochemicals in the offing? Durene, pseudocumene, perhaps naphthalene and isoprene are all possibilities. In fact, Mr. James thinks isoprene might add 300 million pounds to the total petrochemicals volume in 1964.

All well and good, he says, but the problem of petrochemicals over-capacity must first be licked and here, he points out, is how bad it is getting:

Ammonia—25 percent above demand.

Ethylene — capacity 25 to 30 percent over consumption.

Butadiene — at least 40 percent more than present requirements.

Ethylene oxide—25 to 30 percent over demand.

Pesticide Industry

—Continued from page 5

commercial use in 1947 they would undoubtedly have been included in the insecticide law at that time, he said.

"Today's agriculture is largely dependent on agricultural chemicals and agricultural chemical research on which our member companies are spending more than $20 million a year," Mr. Hitchner said.

"As new products are developed it is desirable that they be regulated in a uniform manner with other agricultural chemicals, and this bill provides for the inclusion of four categories of agricultural chemicals which have grown to importance to agriculture and to the industry since the passage of the federal act in 1947."

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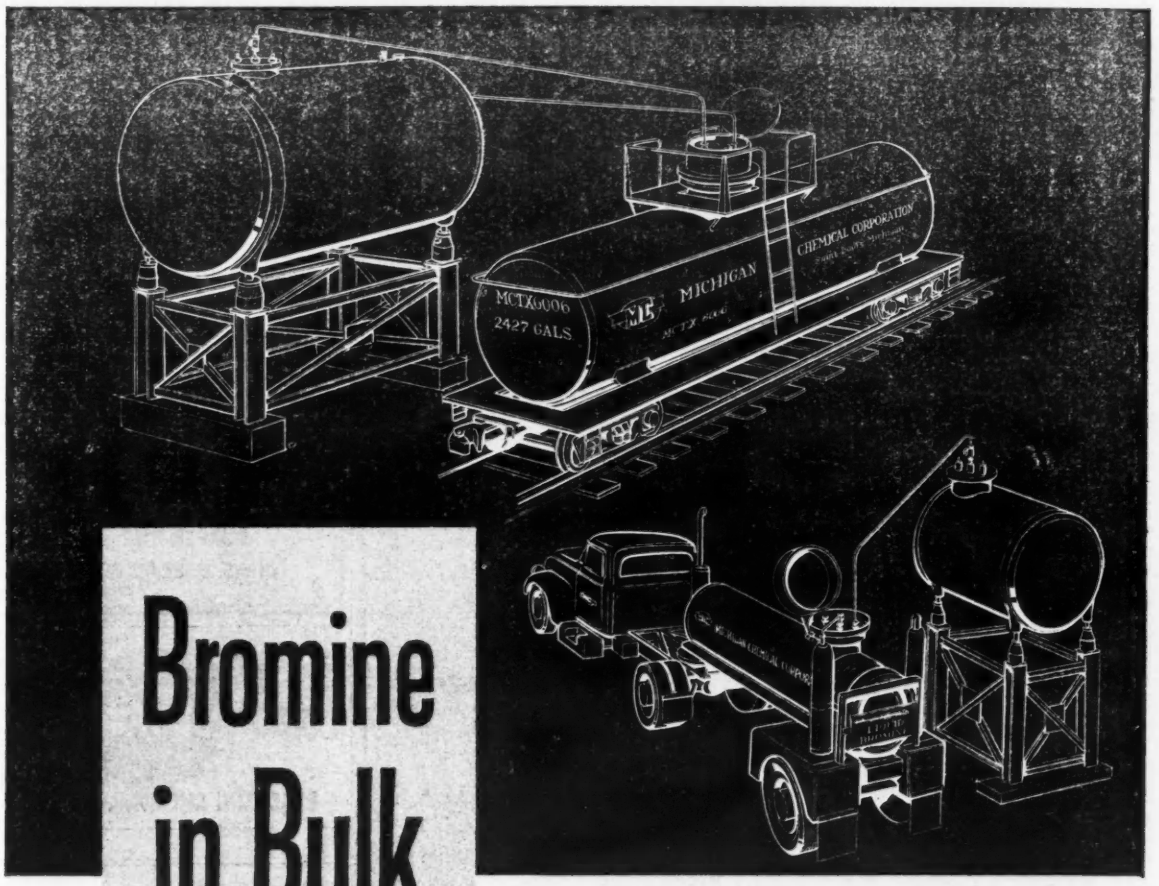

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This marks the first time a single isomer of butylene oxide has been available commercially, says Dow. Previously, a mixture containing 80 percent 1,2- butylene oxide and 20 percent of the 2,3 isomers was marketed as butylene oxides S. The new product is said to exhibit increased reactivity as compared to isomeric mixtures.

Chemical Specialties

—Continued from page 7

in '58, up 2.3 percent over the previous year.

Sales of emulsion paste waxes advanced to 665,778 pounds last year for a 29.1 rise over '57.

In the liquid floor cleaners and wax strippers category, synthetic detergents containing 20 percent and more non-volatile material, with or without builders, rose in 1958 to 313,171 pounds—a jump of 16 percent. Syndets in the less than 20 percent non-volatile category were up 15.7 percent with a total of 3,473,833 pounds.

The largest single decline was recorded in the volume of sweeping compounds. Sales last year fell 20.4 percent to 18,683,709 pounds. The 1957 tally: 23,467,597 pounds.

New Foodstuffs Markets Opening

While the CSMA aerosol survey covered only non-food products, the association was told production of push-button containers for foodstuffs, primarily whipped cream, is now at the 100-million-package-a-year level.

What's more, said Dr. Frank W. Blodgett of the "Freon" products division of E. I. duPont de Nemours & Co., prospects of doubling this market are just around the corner.

DuPont, he said, has a new propellant—"Freon-C318"—which promises to open up such new foodstuff markets as salad dressings, new types of dessert toppings, and even mustard, to push-button containers.

Ciba Is Set to Move

Ciba Company, Inc., has completed plans to move its headquarters from the present New York site to a new location in Fair Lawn, N.J. Included in the move will be all elements of the firm's central staff, custom service laboratories, central warehouse facilities and the metropolitan district sales office and laboratories.

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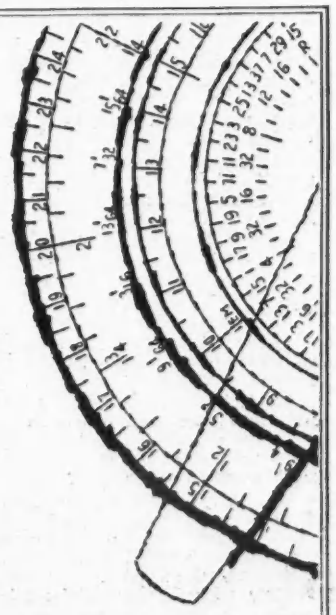

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Obituaries

Baroness Alice Bachofen Pfizer von Echt, daughter of the late Charles Pfizer, co-founder of Charles Pfizer & Co., Brooklyn, N. Y., died May 20 in New York City. She was 82 years old.

Walter I. Longsworth, president and director of Lilly Varnish Company of Massachusetts, Gardner, Mass.; and Lilly Company, High Point, N.C., died May 16 in Indianapolis, Ind. He was seventy-three years old.

Norman Peterkin, retired advertising director of General Dyestuff Corporation, New York, died May 17 in Montclair, N.J. He was seventy-five years old.

Charles B. Pyle, assistant to the executive vice-president of Merck Sharp & Dohme, a division of Merck & Co., Philadelphia, died May 15 in Tangerine, Fla. He was fifty-three years old.

James A. Thacher, a director of Liquid Carbonic, a division of General Dynamics Corporation, died May 17 in San Francisco. He was seventy-one years old.

Thomas D. Tifft, a retired chief engineer for Sinclair Refining Company, died May 18 in Carmel Valley, Calif. He was sixty-eight years old. Mr. Tifft retired in 1956 after thirty-six years with Sinclair.

Texas Solvents An Agent Of GAF Sales Division

Texas Solvents & Chemicals Company has been named distributor for "Igepal" CO- and CA- surfactants and "Cheelox" sequestering agents, by Antara Chemicals, a sales division of General Aniline & Film Corporation.

The products, in drum and bulk quantities, GAF says, will be warehoused in Houston and Dallas, Tex., and delivery will be provided in these cities, and in all of Texas, Oklahoma and western Louisiana.

Plastics Installation

—*Continued from page 3*

plastics division sales within the next three years."

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Aliphatic Organics

How things can change in a year! May of '58, and although business appeared to be getting better, the organic chemicals trade were still talking glumly about latent recession fears, overcapacity, and weakening prices; sales forces were combing the field en masse; and buyer and seller alike were inventory conscious to the extreme. May of '59 and the situation is just the reverse. Talk on golf courses and over luncheon these days runs to such topics as supply shortages, up-trending prices, and the need in some instances to expand capacity. Most conscious of how very good business was in April—better overall than March for several producers of a diverse product line—and so far this month is, of course, the salesman who oftentimes today can be found at his desk, accepting phone orders. Yes, here and there it's a seller's market.

Price Trends

Advanced
None
Reduced
None
Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	May 23, 1958
130.50	130.57	130.60	131.20

For Current Prices see page 9

At the roots of the current chemical bonanza, it's said, is the Spring boom in autos, unparalleled in the years since 1955. Cited was the fact that retail sales of new cars have been running at the rate of slightly more than 6 million a year since April 1, as well as indications, based on early May performance, that the April pace of 500,000 cars may be exceeded this month.

But to get down to a few particulars. Producers of solvents and raw materials for resins naturally stress record-breaking paint sales, which in March totaled $148,800,000, a gain of 24.4 percent over February and 26.7 percent over March, 1958. Formaldehyde suppliers talk in terms of resin requirements from plywood manufacturers who have been enjoying a boom year with new home construction steadily increasing. Of course, the carbon tet salesman refers to the seasonal rise in demand for aerosol propellants (insecticides) and refrigerant gases for home air conditioners. And the plastics trade, doing a very nice Detroit business, report that demand for plasticizers is so good that shortages have resulted for 2-ethylhexanol and derivates, DOP and DOA. In fact, in the 8-carbon field, it's said, supplies are tighter now than at any time since the Korean conflict.

Those fortunate enough to be in the plastics business, as a raw material producer or what have you, can also look forward to doing a bigger business with Detroit in coming months. According to a report of last week, the designers of the new compact cars—which the Big 3 automakers plan to debut next Fall—are aiming to cut costs by more extensive use of plastics which often are cheaper to fabricate than metals.

n-Butyl Acrylate—Butyl acrylate was reduced 5c. per pound across the board, May 11. Two weeks earlier, the three producers had cut prices 10c. per pound.

Current schedule lists tankcars and tanktrucks at 40c. per pound, drum truckload or carload quantities at 42½c. per pound, and smaller lots at 43½c., on a delivered East basis, with west coast prices 1c. per pound higher.

Trade sources report that butyl acrylate is coming into increased demand as a raw material for both solvent and latex coating. And the recent price reductions, it's said, should help to spur the growth rate in these as well as in other areas.

Carbon Tetrachloride—Demands for carbon tetrachloride which shot up spectacularly in March continue very brisk, sources remarked last week. They said the strong market was in response to the seasonal rise in the manufacture of chlorofluorohydrocarbons which get into propellents for aerosols and refrigerants for air conditioning units.

Adequate supplies are reported. Prices are firm.

2-Ethylhexyl Alcohol—According to a report of last week, supplies of 2-ethylhexyl alcohol are very light and current production is being moved directly into use-channels. Stocks of plasticizers DOP and DOA, based on the alcohol, are also short and difficulties are being encountered in trying to meet the large volume requirements of plastic fabricators.

One trade member noted, in fact, that in the 8-carbon field, supplies are tighter now than at any time since the Korean conflict.

Formaldehyde—Although the oft-predicted price advance has not as yet been put through, which would definitely indicate that the market had firmed up, sources report that formaldehyde requirements are running into terrific volume and that supplies have been brought into balance. Among other end-uses, resins for plywood bonding are taking increasing amounts of formaldehyde due to the Spring upturn in new housing starts, it's said.

What may bring about still greater consumption of formaldehyde is the anticipated usage of more plastics in the small cars that the "Big Three" of Detroit are planning to introduce this coming Fall. Designers of the new autos are said to be aiming at lower costs by more extensive use of plastics which often are cheaper to fabricate than metals.

This could mean that the new high strength plastic, Delrin, a polymer of formaldehyde, may be finding a tailor-made market, if not immediately then as the compact cars catch on—which seems likely.

Glycerine—Factory production of crude and synthetic glycerine in March amounted to 20.3 million pounds, up 2 percent from January. Similarly, output of refined grades advanced, 2.4 percent, to 21 million pounds.

At the end of March, factory and warehouse stocks of crude and synthetic glycerine stood at 15 million pounds, down 8 percent from January. Stocks of refined

Ethyl Alcohol: March

Volume of ethyl alcohol produced, withdrawn and remaining as stocks at the end of the indicated periods, as reported by the Alcohol and Tobacco Tax Division, Internal Revenue Service: Domestic undenatured alcohol production represents gross production (original production plus production by redistillation) less the quantity consumed in redistillation. Stocks of domestic undenatured alcohol consist of quantities at industrial alcohol bonded warehouses and denaturing plants. Data on completely and specially denatured alcohol represent alcohol produced from domestic and imported alcohol and spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol).

	March 1959	March 1958	July 1, '58 Mar. 31, '59	July 1, '57 Mar. 31, '58
NET PRODUCTIONS				
Undenatured ....proof gals.	42,994,558	42,732,502	355,214,045	369,323,564
Completely denatured ....wine gals.	46,521	36,466	630,727	493,024
Specially denatured ....wine gals.	23,196,116	20,961,193	189,907,093	182,412,306
WITHDRAWALS				
Undenatured tax paid ....proof gals.	714,478	763,020	5,789,079	7,855,651
Tax free ....proof gals.	43,577,581	39,257,743	352,912,356	357,627,079
Completely denatured ....wine gals.	50,747	33,456	623,672	477,542
Specially denatured ....wine gals.	23,455,902	20,419,244	189,907,093	183,668,025
STOCKS AT END OF PERIOD				
Undenatured ....proof gals.	29,644,981	30,443,794	29,644,981	30,443,794
Completely denatured ....wine gals.	24,394	21,532	24,394	21,532
Specially denatured ....wine gals.	8,786,142	3,230,818	8,786,142	3,230,818

Aliphatic Organics

glycerine by the same date were down 3.8 percent to 43.1 million pounds. Cumulative figure: 58.1 million pounds, a decrease of 4.9 percent compared with January.

Nitroparaffins—For the several chemicals in the nitroparaffin series, demand is said to be very brisk, supplies adequate now but tightening. Especially large demand is reported for 2-nitropropane which is gaining in importance as a solvent for acrylic coatings.

Carload and less carload listings were upward revised January 1 for nitroethane, nitromethane, and 1-nitropropane — to compensate for ever-rising freight rates. Since that time, however, schedules have remained unchanged, and according to usually well-informed trade sources no action is contemplated for the immediate future.

Sodium Lauryl Sulfate—Steady interest is reported for sodium lauryl sulfate which gets into the manufacture of cream shampoos and several other similar products. Supplies, it's said, are fully adequate.

In tankcar quantities, the chemical is quoted at 19½c. per pound, and in carloads and less carloads at 20½c. and 21½c. per pound, respectively. These prices, which went into effect January 1, following a 1½c. per pound across-the-board advance, are considered stable, further activity—at least in the immediate future—unlikely.

1,1,1-Trichloroethane—The price schedule was revised May 1. Lower by ½ cent, listings became 12¼c. per pound tankcars; 12¾c. tankwagons; 13¼c. drum carlots; and 16c. per pound for less carlot quantities, all on a delivered basis.

Trichloroethylene—At a high of 8.3 million pounds in January, imports of trichloroethylene dropped to 1.36 million the following month, only to rise again in March to 3,438,955 pounds. Sources of the bulk of material brought into the US during the latter month were the United Kingdom (2,177,622), Italy (514,882), Sweden (341,250), and West Germany (111,772 pounds).

During April and in the early part of this month, the import triffic continued heavy, according to reports from several sources. But as the trichloroethylene market has been stiffly competitive due to foreign offerings for many, many months, no one in the trade seemed to be getting worked up anew about "an old situation."

Domestic requirements for this metal degreasing solvent are running into very large volume due, obviously, to the high rate of industrial activity, particularly in auto and aircraft manufacturing centers. Supplies necessarily are fully adequate.

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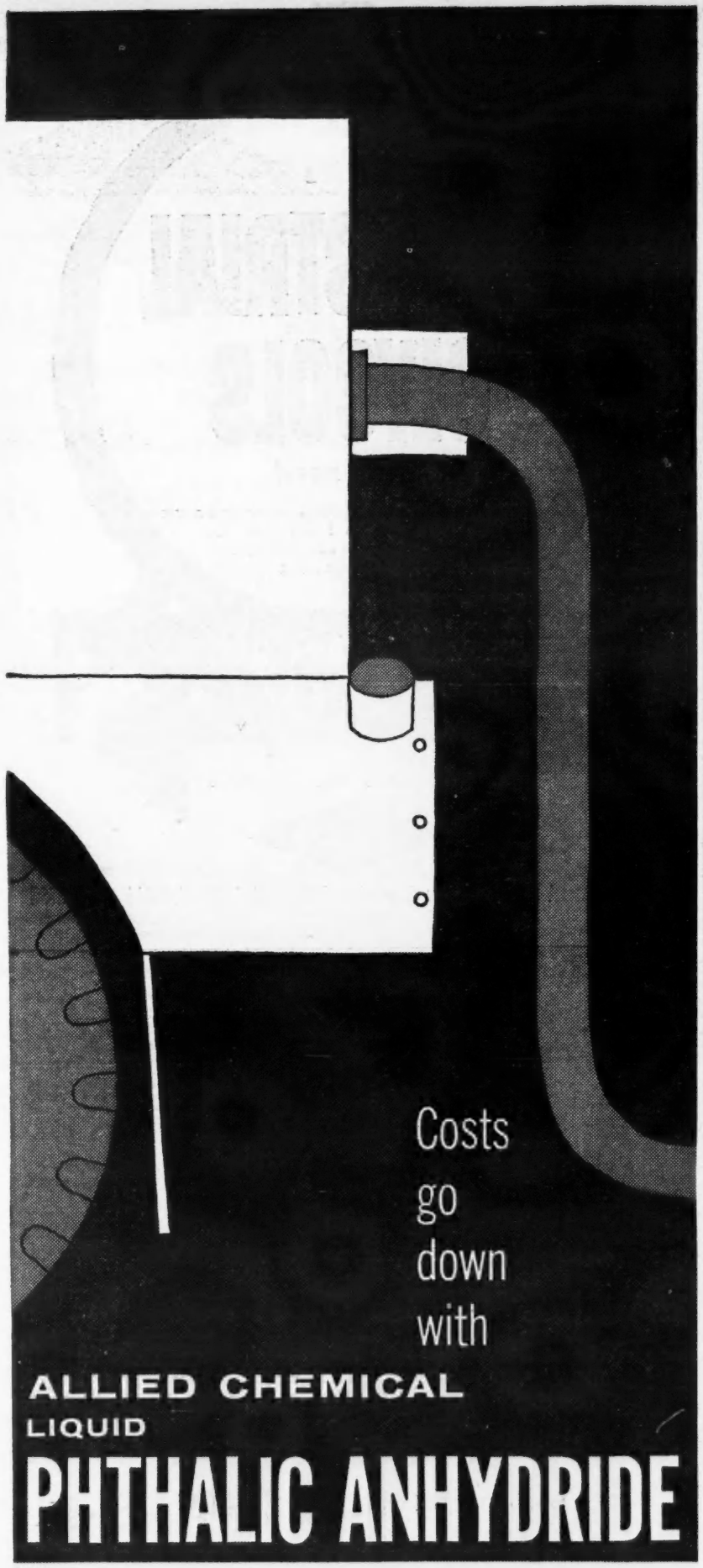

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Allied Chemical

Coal Chemicals

The feeling was quite definite and logical that the first and second quarters, particularly the second quarter, has seen more hedge buying of coal chemicals against a possible steel strike, than any other section of the chemical industry. It is only logical that it should be so, because of the direct connection which coal chemicals have to the coking operations of the steel industry. In other sections of the chemical industry, however, the extra business volume is felt to stem largely from the hard fact that business in general is a lot better than most people realize.

This hedge buying, from which aliphatic organic and inorganic chemicals are felt to be relatively free, does not cut across the whole broad spectrum of coal chemicals. For example, in aromatic solvents where large and substantial quantities are immediately available from the petroleum industry, it is felt that there is essentially very little hedging. Perhaps the most critical items are phthalic anhydride and the naphthalene from which it is derived.

Even these are expected to ease up markedly in the third quarter as the steel situation is cleared up. Then the hedge buyers will stop purchases and work on inventories, and the dried up foreign sources of naphthalene, seeing that they cannot get the premium prices for which they have been hoping, will once again offer material for whatever they can get.

Prices on coal chemicals, despite the unprecedented heavy demand, have remained firm. During the period of stress, synthetic phenol was even reduced in price, and tar distillers immediately lowered natural phenol correspondingly to keep the same long established differentials between synthetic and natural. This was done even though cost, supply and demand situations on natural phenols did not warrant a reduction, for there is nothing but scarcity foreseen on natural phenols for the visible future.

The American Iron and Steel Institute estimated that steel production in the week ended May 24 would amount to 94.4 percent of theoretical capacity equivalent to 2,674,000 net tons of steel. Output was 2,631,000 tons in the previous week, 2,646,000 tons in the comparable week one month ago, and 1,523,000 net tons in the corresponding week one year ago.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	May 23, 1958
118.56	118.56	118.57	118.13

For Current Prices see page 9

Basic Products

Benzene—Material moved into consuming channels and into consumer storage in heavy volume, but benzene is less subject to hedge buying than are certain other coal chemicals. This is true partly because there is no actual shortage, and because quite large volumes are available from petroleum sources which would not be adversely affected by a steel strike. It should be emphasized, however, that increased business volume in organic chemicals derived from benzene is quite real and very substantial. The upward curve has been steep since the beginning of the new year, with second quarter business booming.

Covering these increased demands, however, have been quite adequate supplies. With a deeper than normal seasonal slump in business expected for the third quarter, whether there is a steel strike or not, supplies will be abundant in the months immediately ahead. Price patterns currently in effect are expected to hold. Fourth quarter business, after a slow third, is expected to resume the pattern of the first half.

Cresols—Meta-para business is not as slow as it had been, being carried forward with the rising tide of the chemical business generally. However, there appeared to be no danger of its getting into the short position that characterized this market for years. Once it became free, it stayed that way, and until this second quarter was almost a slow item.

Orthocresols are plentiful, but run into quite reasonable business volume. Business in the synthetic resin grade is generally rather good in line with resin manufacturing operations.

Creosote—Material laid in by consumers prior to the April 1 price advance is being used at a somewhat faster rate than during the first quarter, and some replacement buying is becoming evident. As yet, business is not good, and whether or not it becomes so is a matter of how much longer railroads can stall on treating new ties. The feeling is becoming more general that necessary maintenance cannot be postponed much longer, because under financial stress railroads have already put off all but the most necessary work, for far too long.

Naphthalene—The critical shortage is expected to last through June. This is one item in which there has probably been more hedge buying against the possibilty of a steel strike, than in any other coal chemical. Very probably there has been a high percentage of third quarter business done in the second quarter.

Despite high volume domestic production, naphthalene has disappeared as fast as it could be turned out, and buyers cried for more. This demand has been out of proportion with visible need or perceptible usage. Part of this situation has been due to the fact that except for contract commitments, foreign sources have dried up. This is not unusual, because sellers abroad are quick to sense a critical situation or demand developing, and hold out for higher prices.

As soon as the steel strike situation clears up, the feeling is that there will be plenty of naphthalene available, because buyers of domestic will slow up on purchases and start using their stockpiles. And foreign sources, seeing that they cannot get the premium they demand, will once again offer material for what they can get.

Phenol — Synthetic phenol remains abundant. Natural phenols remain tight. The scarcity of natural phenols is expected to continue for as long as can be foreseen. Despite this situation, makers reduced prices on natural phenols in line with the price reduction on synthetic, to maintain the traditional price spread between the two.

Under the present supply situation, this would not have been necessary and natural could have enjoyed its established price level for quite a long time. The very reduction in natural phenols to keep them at the usual differentials with synthetic, is a tribute to the industry because it shows no disposition to take advantage.

Toluene—Solvent demand has improved in line with the greater demand for industrial finishes. Except for the Chicago area in which market a special trading situation has prevented market prices from being firm in many years, the 25 cent price over the rest of the country holds unchanged. This is considered the proper value of toluene in chemical and solvent end uses. The value of toluene in aviation gasoline and in export is quite a different negotiated matter, and one which OPD does not attempt to report. High aromatic petroleum fractions from which toluene is not necessarily separated, or toluene in other forms allowed to run into gasoline has a value determined in various ways and by varying accounting systems.

Xylene—Good demand for solvent use is reported for this item. Prices are firm across the nation except for some weak-

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ended May 24, was as follows:

Ammonium liquor	lbs.	948,179
Ammonium sulfate	lbs.	40,289,291
Benzene	gals.	3,709,542
Coaltar	gals.	22,041,004
Crude chemical oil	gals.	69,565,824
Solvent naphtha, crude heavy solvent	gals.	133,077
Toluene	gals.	898,274
Xylene	gals.	266,155

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Coal Chemicals

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Intermediates

Aniline—Sales volume maintained a quite good level last week, and in fact the entire second quarter has been one of increased sales volume. Price patterns established some months ago are holding firm.

Fumaric Acid—Supplies were on the snug side against heavy demand. Some easing in the third quater is expected. The price of 27½ cents per pound in carlot quantities holds firm.

Isophthalic Acid—This material is moving in substantially better quantity than it had been, but not in proportion to the added pressure that has been exerted on the phthalic anhydride market. If isophthalic could be used as a direct replacement for phthalic without any reformulation of established phthalic anhydride alkyd resin formulations, or equipment changes, then isophthalic would be a boom item right now.

However, there are problems other than pound for pound replacement involved, and the switch is not that easy. Nevertheless, it is felt in some quarters that certain changes are being made, and by virtue of the effort involved, are likely to hold. Accordingly, the gains being made by isophthalic are likely to be more permanent, than if it were a matter of simple substitution.

Maleic Anhydride—The current tight supply position is expected to continue through June and part way into the third quarter. However, it is then expected to ease considerably, and enter the fourth quarter in a comfortable position. Third quarter business, whether there is a steel strike or not, is expected to be at a level subnormal to the usual slump oc-

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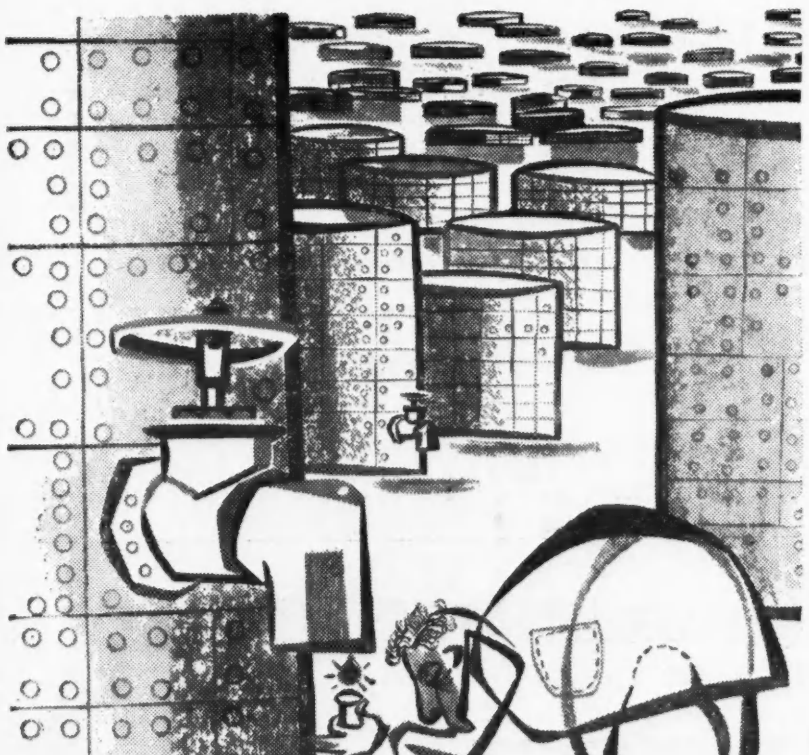

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casioned by seasonal influences and plant vacation shutdowns. This added slowness will in part be accounted for by the hedge buying that has been going on for some months, and by the restraining influence which the threat of a steel strike will have on the economy generally.

Phthalic Anhydride—The scarcity reported above for naphthalene, naturally carries over into its most important derivatives, phthalic anhydride. Much of the tightness in the phthalic market stems directly from the lack of reasonable offerings in imported naphthalene, and from consumer stockpiling of phthalic as a hedge against a possible steel strike.

The paint business, and the plastic sheeting business, colors, as well as polyesters is good, but hardly good enough to keep phthalic plants operating at virtual capacity or using up all available naphthalene. Consequently the feeling is that during the third quarter, and when the steel matter is settled, phthalic will loosen up spectacularly. Much third quarter buying is suspected as being done in the second quarter in this item.

As for prices, no one can foresee any move toward restoration of former price levels in the months immediately ahead.

Insecticide Liquids

—Continued from page 5

space and residual sprays for household use totaling almost 275,000 and 341,000 gallons, respectively.

Among dry powder sales, products designed for use on livestock amounted to around 2.6 million pounds of insecticides. Powder insecticides for other than livestock use accounted for sales of 21.6 million pounds, and fly bait sales added up to a little more than 2.6 million pounds. Other sales figures for 1958:

- Cattle smears and other screw worm remedies—130,298 packages of a pint or less and 7,463 packages of more than a pint.
- Ant pastes, traps and ant baits—3.9 million packages.
- Personal insect repellants—3.3 million packages.
- Vaporizer chemicals—8,820 packages.

Sales of small pet insecticides in 1958 totaled around 645,000 packages of powder formulations and at least 30,000 packages of liquid types, including insecticidal shampoos.

Syndets Makers Are Happy

—Continued from page 3

industry put it, 'I have never seen a mechanical improvement yet which has not increased the overall consumption of packaged household products and detergent raw materials'."

Solid, heavy-duty, high sudsing products will have the major share of the market in the next five years, Mr. Macon went on. He said it now appears that solid, heavy duty, low-sudsing formulations may lose some position in view of the trends in equipment and the expected formulation changes which will probably be necessitated.

He saw a continued growth for liquid, heavy-duty products if the "push-button" innovation in washers develops. The speaker then noted that solid, light-duty detergents have dropped in the five-year period, losing ground to liquid, light-duty formulations.

"As a consequence," he said, "the liquid, light-duty product type may more than double by 1963. In view of the considerable efforts being expended on the development of synthetic toilet bars by the industry, and since this classification represents the last stronghold of soaps, synthetic bars will probably show the greatest percentage increase of any consumer product."

Whither Borates?

—Continued from page 3

was reported as 647,735 tons and for this year (1959) it would appear that production will be over 1 million tons "which indicates another ten-year period during which the domestic production will be nearly doubled."

A legion of markets have already opened up for borate products. Of these Mr. Pickard had this to say: "These markets should continue to expand in direct relationship to our country's growth and increased standard of living."

In addition to the old-line items, new products have been constantly appearing on the scene. Crystalline boron, for example, has been made available with a purity of 99.15 percent.

Two grades of amorphous boron are also relative newcomers, as are a wide variety of organo boron chemicals. Mr. Pickard also cited a boron additive for gasoline being used by a major oil producer.

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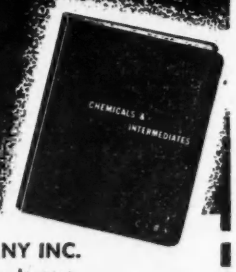

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Agricultural Chemicals

Active demand continued for synthetic nitrogen materials resulting in a tight supply situation. Seasonal demand was reported heavier than a year ago due mainly to the increased acreage for corn and other crops, according to sources. Steady undertone prevailed throughout the market at prevailing prices. Fishmeal and scrap market was easier and $20 per ton lower than a month ago. Production has improved, and moderate stocks were well held at the lower levels. Dried blood and tankage were firmer and unchanged, following steady decline of prices during the past three weeks.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	May 23, 1953
112.02	112.02	112.20	109.69

For Current Prices see page 9

In its annual report on the fertilizer situation for the 1958-59 crop year, the Department of Agriculture stated that shortages may occur locally at the height of the spring season because of transportation bottlenecks and overloaded handling facilities, but these will be only temporary, as supplies are adequate and the quantity marketed will be limited only to the amount the trade can absorb. Domestic supplies of nitrogen, phosphate and potash materials for the 1958-59 season are estimated at 7.3 million tons more than 8 percent above the previous season by the department. Considerable optimism has been expressed by the fertilizer industry that the spring movement will be greater than in 1957-58, possibly even greater than foreseen by the department, it was added.

The domestic nitrogen supply for fertilizer purposes is estimated at 2,602,000 tons or 6.7 percent more than 1957-58 by the department; phosphatic materials, 2,539,000 tons, 5.7 percent more than the previous season and potash, 2.159,000 tons, 13.3 percent above the 1957-58 season.

Natural and manufactured fertilizers, imported into Costa Rica, formerly dutiable at 10 percent ad valorem have been made duty free.

Following products are covered by the Costa Rica tariff: Natural fertilizers of animal or vegetable origin not chemically treated; sodium nitrate (Chilean saltpeter); natural phosphates, ground or unground, and crude potash salts.

Nitrogenous fertilizers and nitrogenous fertilizer materials other than natural, n.e.s.; phosphatic fertilizers and phosphatic fertilizer materials other than natural, including superphosphates and basic dephosphorization slag; potassic fertilizers and potassic fertilizer materials except crude potash salts; fertilizers n.e.s., including mixed fertilizers: (a) Ore and impure salts of copper, molybdenum, magnesium, zinc, manganese, boron, used as fertilizers, recommended by the Ministry of Agriculture; (b) other fertilizers n.e.s.

Animal and Plant Foods

Ammonia Sulfate—Tight supply condition prevailed in this material. Demand from the South was reported close to an end, but marked increase was noted in the movement to the Midwest.

Animal Proteins—Steadier tone prevailed in the dried blood and tankage market after declining for the past three weeks. Dried blood was firmer and maintained $3.25 per unit ton, New York and $6.75, Chicago. Trading was light. Tankage also was well held at the same levels.

New crop fish meal was easier and declined sharply. Prices were about $20 per ton lower for meal and scrap than a month ago. Production has improved and supplies were moderate. Buying interest has increased, but actual trading was still spotty. Meal ranged from $130 to $133 per ton, f.o.b. works, as to location for prompt shipment. Scrap was quoted from $126 to $129 per ton, same basis.

Bone meal was scarce and strong. Producers were sold ahead and not in a position to offer for immediate delivery. Market was unchanged at $75 per ton, works, east coast. Hoof meal was quiet and unchanged at $6.75 per unit ton, Chicago.

Potash—Heavy movement was reported by suppliers against contracts. Standard types stocks were readily available, while some delay occurred in shipping of some granulated material owing sudden spurt of orders which placed a strain on shipping facilities. From present indications substantial volume of business was expected for the balance of the season.

Eleven companies held acreage in the 340 mile long Canadian potash belt last March it was reported by the Industrial Development Office of the Saskatchewan government. A total of 1,300,000 acres was held under permits; 350,000 acres under withdrawal; 87,300 acres by reservation and 12,576 acres under lease.

Superphosphate—Active demand continued against contracts as a result of poor weather conditions during the past two months. Temporary shortages occurred due to the late planting season and heavy seasonal demand. Deliveries should ease during the next few weeks according to sources.

Total production of superphosphate and phosphatic fertilizers in 1958 was reported by the Census Bureau at 2,422,777 short tons compared with 2,455,097 tons in 1957. Shipments amounted to 1,797,598 tons in 1958 against 1,819,828 tons in 1957. Used in reporting plants amounted to 669,682 tons against 703,955 tons in 1957.

Output of normal and enriched superphosphate in 1958 was indicated at 1,294,388 short tons compared with 1,380,000 tons in 1957. Shipments were 694,497 tons against 763,544 tons, the previous year. Used in reporting plants amounted to 627,359 tons compared with 668,989 tons in 1957.

Production of concentrated superphosphate in 1958 was placed at 833,530 short tons compared with 831,510 tons, the previous year. Shipments were placed at 821,728 tons against 819,971 tons in 1957. Used in reporting plants was indicated at 31,089 tons compared with 23,289 tons, the previous year.

Ammonia phosphate production in 1958 was reported at 171,682 tons compared with 171,351 tons in 1957. Shipments totaled 157,444 tons against 166,854 tons in 1957. Used in reporting plants were 5,514 tons against 7,276 tons in 1957.

Production of other phosphatic fertilizers, including wet-base goods in 1958 was indicated at 123,227 tons against 72,227 tons in 1957. Shipments amounted to 123,829 tons compared with 69,459 tons in 1957. Used in reporting plants amounted to 5,720 tons compared with 4,401 tons, the previous year.

Pesticides

Benzene Hexachloride—Conditions in this market were quiet as it is too early as yet to report what the demand would be for this season. Prices were maintained at unchanged quotations. Competition from malathion and toxaphene has increased and this has reduced profit margins. Light boll weevil infestation on the cotton crop last year considerably affected the use of pesticides.

DDT—Technical material is moving out to formulators as well as can be expected at this time, producers say. The active consuming season will begin within the next three or four weeks.

Sales to the General Services Administration have been very good thus far in 1959. Sources estimate that approximately 57 million pounds have been purchased for world health programs. GSA may come in for additional tonnage in the fall as it did in 1958.

Malathion—Increased buying interest was reported for requirements later in the season. Deliveries against orders were in moderate request. Quotations were without change and quite steady. Demand from the cotton belt has shown steady improvement in recent seasons.

The Department of Agriculture's final report on the 1958 cotton crop placed the production at 11,512,000 bales compared with 10,964,000 bales in 1957 and 10-year average output at 14,136,000 bales.

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Drugs, Fine Chemicals

New and higher prices have been posted for monosodium glutamate, widely used to enhance the flavor of foods. Replacing the former $1 per pound bulk price are new listings of $1.07 for a minimum order of 100 pounds, and $1.05 per pound for 1,000 pound quantities. Action advancing prices was initiated by a leading producer May 11 and it's understood that since that time others have followed along. However, one major market factor has not yet taken any action whatsoever on MSG prices and is still quoting at the lower schedule. What the firm plans to do, of course, is still a deep dark secret. But one thing, at least, is certain: sooner or later something's got to give.

Other recent price activity has included reductions for b-carotene, pyridoxine hydrochloride, niacinamide and nicotinic acid. The carotene change was said to have been prompted by increased production and the prospect of further market expansion, while the vitamin revisions were looked upon as attempts to stabilize what had been widely-fluctuating schedules.

Trade sources report active demand for all but the peculiarly seasonal items, such as those that get into cold and flu preparations. Especially strong interest is said to be materializing for caffeine, calcium and sodium cyclamates, and citric acid—all of which are used by the beverage trade—and the various photographic chemicals.

Industrial expansion plans of private Indian firms, says the Commerce department, offer US investors an almost unlimited selection of opportunities for investment in the rapidly expanding Indian market. Typical are several requests for US participation in a growing pharmaceutical industry. Gluconate, Ltd., of Calcutta, for example, desires a partner, with capital and/or machinery, for a citric acid venture. Another firm, Bathgate & Co., Ltd., reportedly one of the largest firms in its field in India, seeks technical assistance and licensing agreement for the manufacture of pharmaceuticals, cosmetics and toilet goods.

Caffeine—March imports of caffeine at 84,866 pounds—supplied by West Germany (44,501), France (32,365), and the Netherlands (8,000)—brought the cumulative total for the first three months of the year to 259,948 pounds. At this rate, it's likely that '59 imports will top the '53 figure of 986,488.

Despite this growing foreign competition, informed observers feel that domestic prices are firm at the very low levels established late last year.

Requirements from US users of caffeine —reportedly a market in excess of 2 million pounds annually—are rising seasonally with increased call noted from cola beverage makers.

Monosodium Glutamate — A new and higher schedule has been issued for monosodium glutamate. Replacing a former bulk price of $1 per pound are new listings of $1.07 for a minimum order of 100 pounds, and $1.05 for 1,000 pound quantities.

Action advancing prices was initiated May 11 by a leading producer and since that time it's believed that others have followed along. However, by presstime Friday, there was still one leading market factor quoting MSG at the old schedule with no clear indication of what the firm planned to do. One thing was fairly obvious, of course—before too much time elapses something's got to give.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	May 23, 1958
60.51	60.51*	60.85	63.14

* Revised.

For Current Prices see page 9

Monosodium glutamate has been in the news now off and on for several months. Not too long ago, a new producer debuted in the market with considerable plant capacity and what was described at the time as a "unique and technically advanced fermentation process" of manufacture. Around the same time, the Treasury department was investigating anti-dumping charges leveled at Japan.

Used to enhance the flavor of foods by the large food processors as well as by the housewife, MSG enjoys a large and active market and one that is expected to broaden with time.

b-Phenylethylamine—Current prices for b-phenylethylamine range from $1.50 per pound for 20,000 pounds or more, to $1.70-$1.80 for smaller drum lots. Schedule is written on a freight allowed basis.

Saccharin—Trade sources report quite active demand, fully adequate supplies, and, despite considerable foreign competition, stable prices.

Imports at a low of 15,935 pounds in February rose to 46,482 in March. Of this amount, The Netherlands shipped in 33,982 pounds, Japan, 12,500.

Sulfa Drugs—Producers report that requirements for the several sulfa drugs have tapered off with the advent of warm weather in keeping with the usual seasonal pattern. They also expect the next few months to be slow—at least domestically —with no big spurt in demand till late summer.

Several market observers detect a generally weak market tone and feel that this situation will ultimately lead to price reductions.

Tartaric Acid—Imports of tartaric acid declined substantially during March, simultaneously with the President's rejection of Tariff Commission recommendations to raise the tariff wall. Totaling 283,875 as opposed to 865,209 in February, imports came from Spain (217,076), Italy (30,864), West Germany (24,912), and France (11,023 pounds).

Undecylinic Acid—Current quote on undecylinic acid is $1.28 a pound. The chemical is used in antifungal preparations such as athlete's foot powders and ointments, in combination with zinc undecylenate and the appropriate base material.

Vitamins—Price reductions were put through recently for pyridoxine hydrochloride, nicotinic acid and niacinamide. Action was intended to firm up widely fluctuating prices.

Imports of vitamins of other than animal origin rose to 75,548 pounds in March from 43,767 pounds in February. Principal

Drugs and Fine Chemical Imports: March

Imports of selected drugs and fine chemicals for the months of February and March, 1959, as reported by the Bureau of Census, were as follows:

		March	February
Caffeine	lbs.	84,866	84,869
Camphor:			
Refined	lbs.	1,600	9,300
Synthetic	lbs.	19,100	12,400
Iodine, crude	lbs.	172,829	15,421
Menthol:			
Natural	lbs.	44,295	39,632
Synthetic	lbs.	10,600	1,000
Quinidine & salts	ozs.	147,376	5,000
Quinine sulfate	ozs.	81,518	5,000
Saccharin	lbs.	46,482	15,935
Sodium alginate	lbs.	96,900	93,025
Tartaric acid	lbs.	283,875	865,209
Theobromine	lbs.	4,774	3,448
Vitamins and vitasterols:			
Animal origin	lbs.	0	0
Other origin	lbs.	75,548	43,767

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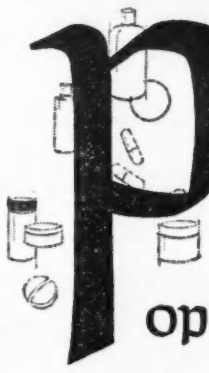

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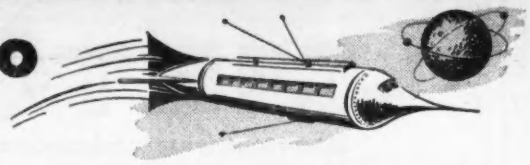

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Drugs, Fine Chemicals

exporters to the US were Italy (37,480), Japan (19,843), The Netherlands (10,150), and France (3,969). Smaller quantities were supplied by Switzerland, West Germany, Denmark, and the United Kingdom.

Botanicals

Agar Agar—According to trade reports of last week, a quite strong market has developed for agar agar. Build-up of strength was said to be due to active demand in face of dwindling supplies.

Formerly quoted at $1.90 per pound, USP Kobe No. 1 strip was advanced last week to $2.10. The powdered material continues to sell at around $2.40 per pound.

Aloes—Price range, formerly quoted at 32c.-37c., was moved up to 35c.-40c. per pound last week. New crop has only recently been received but interest has been relatively active, a trade source said, explaining the upward price trend.

Arnica Flowers—Solitary price reduction recorded last week was the 15c. decline in arnica flowers, to 95c. per pound. Accounting for the revision, it was said, were large stocks and very slow inquiry.

Balsams—Dealers here report moderately active demand for the several imported balsams, and adequate supplies. Copaiba is currently quoted at 65c. per pound in cans or drums, Peru at $1.06, and Tolu balsam at $3.10 to $3.65 per pound.

Gums—Strong spot markets are reported for both arabic and karaya gums at the successively higher prices posted for both materials during the past several weeks. Principal plus factor has been the tight supply position at source.

Valerian Root—Current quote on valerian root of Belgian origin is 32c. per pound; with the Indian material lower, at 25c. per pound. Market is quiet.

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Trade Name Chemicals & Specialties

The largest consumers of synthetic resin adhesives are the plywood manufacturers. Furniture makers are also big consumers. Another expanding market is the automobile industry. It is estimated that some four to ten pounds of adhesives currently are going into every automobile made. However, if such advancements as plastic automobile bodies take hold the demand for adhesives will increase exceedingly. In the packaging industry more natural glues are used than synthetics although vinyls are playing a fairly important role. New advancements in this field as well are challenging adhesives makers. Bonding the new foil wrappings to cartons is one such progression. A host of new bonding agents are in various research stages to meet the growing demands in the above mentioned industries. But the age-old problems of lowering costs, simplifying production and application methods, improving such things as heat stability, and shorter setting times still remain.

WHAT'S REPORTED ON HERE

Though coverage in the Trade Name Chemicals & Specialties market report encompasses twenty classes of chemicals, only a few of them are mentioned in this issue. Here's the entire list:

Adhesives, antibacterials and fungicides, antifoaming agents, antioxidants, antistatic agents, blowing agents, catalysts and accelerators, chelating agents, chemically processed oils, emulsions and latexes, enzymes, fatty acid derivatives, feed supplements, filtering materials, ion exchange resins, surfactants, synthetic waxes, textile chemicals, thickening and suspending agents, and ultraviolet absorbers.

If you have suggestions for any additional materials that might be included in this section, write OIL, PAINT AND DRUG REPORTER'S Technical Editor, 30 Church street, New York 7.

Nuodex Products Company announced a new price schedule for **"Nuodox ZR 6%"** commonly known as zirconium octoate. For a net weight of 400 pounds the price is .4175 cents per pound, and for 100 net pounds .4575 cents per pound.

Ultra Chemical Works, a division of Witco Chemical Company, has increased the prices of **"Ultrapole LDA 9005," "Ultrapole LDA 9025,"** and **Nuopone L"** by two cents per pound. The new listings for **Ultrapole LDA 9005"** and **"LDA 9025"** are 43 cents and 41 cents per pound, 55 gallon drums, truckloads or carlots. **"Nuopone L"** is priced at 41 cents per pound, bags, truckloads or carlots.

Armour Chemical Division of Armour & Company, has reduced their prices of tertiary amines by 13 cents to 25 cents per pound which is a 16 to 31 percent reduction. The lower prices are attributed to completion of Armour's McCook, Ill., plant.

Adhesives

The introduction of synthetic resins has made enormous strides in the adhesives industry. The field of synthetic resins used in adhesives can be divided into two main classes: (1) thermoplastic resins, which can be softened and hardened time and again by temperature variance; and (2) thermosetting resins, which cure or harden by undergoing an irreversible chemical reaction forming an infusible, insoluble cured resin in the adhesive bond.

Eastman Chemical Products, Inc., markets **"Eastman 910 Adhesive"** which is known chemically as methyl 2-cyanoacrylate. Eastman claims that the polymerization reaction which occurs during bond formation is responsible for the properties of **"Eastman 910 Adhesive"** which are manifested in its ability to form bonds at ambient temperature without addition of a catalyst, the rapidity with which bonding occurs, and the unusually strong bonds produced with a wide variety of surfaces.

As stated above, methyl 2-cyanoacrylate is the basic ingredient of **"Eastman 910 Adhesive."** Commercial grade of the adhesive, however, contains, in addition to this monomer, a plasticizer to improve flexibility of the bond and a thickening agent to increase viscosity.

Included in the list of advantages of **"Eastman 910 Adhesive,"** are a one-component system, good coverage (it is only necessary to apply the adhesive to one surface), room-temperature curing, rapid setting, fair to good resistance to solvents, industrial fluids, low temperatures, weathering.

"ChemoTec" bonding agents are marketed by Chemotec Division, Polymer Industries, Inc., and were developed jointly by Ciba Company and Eutectic Welding Alloys Corporation.

One of this series is **"ChemoTec 700."** This thermosetting adhesive is available in paste, powder and liquid forms. Polymer states that this organic compound bonds by chemical action. Also, its fluidity and wetting characteristics give deep penetration of joints by capillary action. These properties permit high strength bonds to be made on any materials and will withstand bonding temperature. The application of heat to **"ChemoTec 700"** sets up a chemical reaction which changes the molecular structure and hardens or "Chemocizes" the bonding material. According to Polymer, this process of "Chemocization" gives a bond at the interface of a strength equal to the tensile strength of the bonding material itself.

Polymer claims that this is the new method of bonding titanium, magnesium, and aluminum. In addition, **"ChemoTec 700"** is said to join all ferrous and nonferrous metals and related materials.

Sizing Agents

Trade named sizing agents are gaining more and more of a place in the textile market. This industry is leaning to synthetically-produced chemical products due to the uniformity from batch to batch and the economic advantages. The competition is stiff so that each sizing is designed to do a specific job in some industrial application better than anything heretofore available.

Colton Chemical Company, a division of Air Reduction Company, Inc., has put out **"Vinol CWS,"** which is a cold-water soluble polyvinyl alcohol for textile sizing. Among its specifications, **"Vinol CWS"** is a white powder having pH range of from 5.5 to 7.5, is stable to mineral acids and bases in moderate concentration, and darkens upon high temperature bake.

Among its advantages, **"Vinol CWS"** is said to work well on the Calloway Slasher and the Shed Tester; there is a minimum tendency for foam formation at the size box; it has a low B.O.D.; and it is economic due to the fact that it may be reclaimed and be used over and over again.

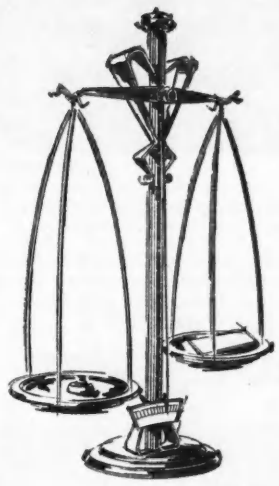
The **"Penford Gums"** marketed by Penick & Ford, Ltd., are described as being hydroxy ethyl ether derivatives of corn starch. The hydroxy ethyl groups are attached directly to the starch molecule by strong ether linkages with the result that the new chemical compound, while having the physical form and appearance of the original raw corn starch, has markedly changed properties which adapt it to a myriad of uses.

As sizings, the **"Penford Gums"** are used at the tub, size-press, and calenders for their effect on the sheet strength and stiffness as well as on its surface characteristics. Penick & Ford states that surface sizing with **"Penford Gums"** is done over a considerable scope of application temperatures ranging from 120° to 190° F. According to Penick & Ford, increasing the size temperature lowers the viscosity of the **"Penford Gum"** sizing solution and for a given size solution increases the amount of penetration.

Monsanto Chemical Company offers a synthetic size for filament acetate warps called **"Stymer S." "Stymer S"** is the sodium salt of a long chain synthetic resin. It is readily soluble in water to give slightly alkaline, clear solutions. Some of the properties of Monsanto's **"Stymer S"** are a faint aromatic odor, solubility in water, good stability under normal conditions, and a pH range of from 7.5 to 8.5.

Monsanto says that moisture is an excellent plasticizer for **"Stymer S."** The film picks up moisture easily when humid-

—*Continued on page 52*



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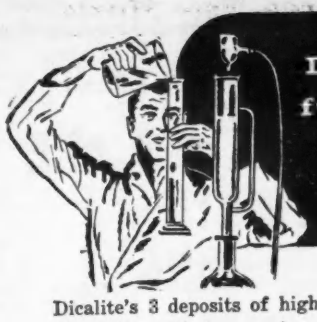

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Coatings Materials

Some firm spots were noted in the coatings market last week, but firm as these spots were, the respective prices held unchanged. Strength in Argentine casein stemmed from a fairly tight supply position at the source together with good buying interest in Europe. Advanced about 2 cents per pound during the past month, that material is likely to encounter buyer's resistance if the price is driven up further, observers said. Lead oxide's strength is strictly the result of speculative influences in the basic metal market, rather than any real pressure on supply of either lead or oxide. The bullish mood of speculation has been brought on by the agreement reached by producing countries to curtail output.

Producers all along the line can find little to complain about in respect to sales volume. While Summer doldrums are lying in wait only a few weeks away for some items, sales volume has proved to be much higher than in the same period of last year.

The figures given below for carbon black may be taken as a sample of what happened to most coatings materials during the first quarter of the year. After declining nine percent during 1958, the material staged a smart comeback, falling only 1 percent short of establishing a first quarter sales record. As compared with first quarter 1958, shipments were 41.5 percent higher. This steep increase, in conjunction with only a marginal increase of production, enabled producers to trim inventories by a full twenty percent.

Sales figures for asphalt, also given below, showed a tremendous increase in March, with shipments of roofing running 107 percent ahead of February and 95 percent ahead of March, 1958.

Agricultural Marketing Service has just released its annual report for the 1958-1959 crop year, ended in March. It showed gum turpentine and rosin output declining by seven and eight percent, respectively. The first was said to be symptomatic of a levelling-off trend, but not so the latter. For while gum rosin still retains its second place position behind steam-distilled rosin, the tall oil derivative was said to be making rapid progress with a good chance overtaking it in the near future.

Price Trends

Advanced
None
Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	May 23, 1958
103.03	103.03	103.05	101.44

For Current Prices see page 9

Prime Pigments

Carbon Black—Output declined nine percent overall in 1958, according to the Bureau of Mines. Texas and Louisiana, the two major producing states, showing declines of 12 percent and 6 percent, respectively, contributed together with other states an output of 1,644,605 thousand pounds, as against the previous year's 1,798,425 thousand. Sales totaled 1,691,479 thousand pounds, including 440,542 at export, as compared with the previous year's 1,791,037 thousand, 459,671 thousand at export.

Even though one Texas plant closed down, the industry's capacity increased during the year by 139,010 pounds to 5,632,000 pounds per day, distributed among 41 operating plants.

Sales to all major consumers declined, the rubber industry taking six percent less than a year earlier. Synthetic rubber declined 5 percent, natural 10 percent and reclaimed 7 percent.

Volume of natural gas used as a raw material declined further, from 233,788 MCF in 1957 to 211,048 MCF in 1958. Production from this source amounted to 700,692 pounds, the Bureau noted. Liquid hydrocarbon feedstock was also lower, totaling 231,057 in 1958, as against 240,413 the previous year. Output from liquids totaled 943,913 thousand pounds.

Overall output for the year was valued at 115 million dollars, averaging out to 7c. per pound, or a decline of .12c. from the 1957 value.

But the picture for this material altered dramatically during the first quarter of 1959, as consuming industries pulled fully out of the recession doldrums. According to a report from one of the major domestic producers, carbon black shipments reached 364 million pound during the first quarter, which was only 1 percent below the record set two years ago, and that record, it should be noted, was partly the result of consumers' stocking up before a price increase. As compared with first quarter 1958, shipments were 41.5 percent higher.

During the same quarter, U. S. consumption of dry rubber hydrocarbons set a new first quarter record of 412,000 long tons, which was 31.3 percent better than the same period last year and 7.9 percent better than the last fourth quarter. The synthetic rubber ratio, the report noted, was 64.5 percent as compared with 64.7 percent during the fourth quarter.

Since overall carbon output increased only 2.7 percent during the quarter against this really steep increase in shipments, inventories (excluding thermal blacks) were pared a full twenty percent. Channel black output was down 2.9 percent with inventories decreased by 10.1 percent, while furnace black output was up 4.1 percent, with inventories trimmed 25.6 percent.

Lead Pigments — The Spring market, though waning, has not yet been eclipsed by Summer doldrums. The construction industry continues to take fair quantities of red lead, while the larger public is doing the same for white.

Prices, unchanged for the week, display a firm undertone that reflects lead's new-found strength. Supply is amply available.

Fillers and Inerts

Asphalt—March brought a sales boom that can only be called incredible. According to Census Bureau data, shipments of roofing ran 107 percent ahead of February and 95 percent ahead of March 1958, while sidings ran 66 percent ahead of February and 98 percent ahead of last March.

In square feet, March shipments totaled 6,950,311 as against February's 3,365,148 and 3,556,867 in March a year ago. Figures for the quarter as a whole show that the first two months of the year had given scant evidence of what was to happen in March, since the gain for the whole period was hardly greater than that for March alone. The first quarter total for roofing was 13,013,375 square feet, as compared with 9,042,790 in the comparable period of 1958.

Mica—Seasonally active interest from the paint and wallpaper trades is reported. Prices are steady at prevailing levels.

Natural Resins

Copal Gum—Nothing has been doing on the price front since that advance two weeks ago of ¾c. per pound in Congo No. 3, the result of a firmer listing at source. That material is encountering fair demand at 16½c. to 19c. per pound, in bags. Congos No. 1 and 2, unchanged for many months, are moving at 25c. to 26c. and 22c. to 24c. per pound, respectively.

Dammar Gum—Price tone is described as steady against a moderate volume of business. The most recent price change was an advance of ¾c. per pound two weeks ago in East India batu bold, which brought the quotation for that material to a range of 14½c. to 16½c. per pound, in bags.

Shellac—Quotations have been steady and unchanged through the full year that has elapsed since the posting of floor levels in the Calcutta source market. Last week's demand varied from moderate to active, with ample supplies available.

Orange grades were moved at 36c. to 39c. per pound for Lemon No. 1, 35c. to 37c. for No. 2 and 32c. to 24c. for superfine. Bleached was available at 46c. for bonedry and 56c. for fully refined in bags, 1,500-lb. lots.

Miscellaneous

Casein—Argentina's strength was still apparent, due to merely moderate supply there, but replacement costs were about unchanged so that American dealers were

Coatings Materials

able to retain their quotation of 20c. to 20½c. per pound for future delivery, minimum one carlot.

Consuming interest here has slowed down for several reasons. One is simply the seasonal decline that comes with the approach of Summer, while another is the currently high price, which acts to deflect a certain amount of interest to the competitively-priced soya protein.

Lagging demand no longer exerts much pressure on Argentine prices, owing to the fact that Western Europe's low production during the past few seasons has made that area a net consumer of casein, where previously it had exported more than it bought. Advices from France indicate that it hopes to have a surplus for export next season.

New Zealand and domestic grades are moving to established outlets at prices of long standing.

Glue—The following figures compiled by the Bureau of Census indicate production, shipments and stocks of bone and hide glue in thousands of pounds during February with January's figures shown for comparison:

Production

	Mar.	Feb.
Hide glue, total	4,955	4,625
Low grade	1,921	1,914
Medium grade	1,662	1,476
High grade	752	724
Extra high grade	600	511
Bone glue, total	3,644	4,723
Green	3,055	3,317
Extracted	589	1,406
Glue, total	8,599	9,348

Shipments

Hide glue, total	5,022	4,472
Low grade	2,211	1,932
Medium grade	1,468	1,303
High grade	838	965
Extra high grade	505	272
Bone glue, total	4,622	4,588
Green	3,341	3,376
Extracted	1,281	1,212
Glue, total	9,644	9,060

Stocks

Hide glue, total	23,496	23,563
Low grade	8,041	8,331
Medium grade	8,486	8,272
High grade	4,638	4,724
Extra high grade	2,331	2,236
Bone glue, total	11,129	12,107
Green	8,158	8,444
Extracted	2,971	3,663
Glue, total	34,625	35,670

Naval Stores

Output of gum naval stores in April, the first month of the current crop year, amounted to 6,560 barrels of turpentine and 17,490 drums of rosin, USDA reported last week. This, compared with last April's output of 5,570 barrels of turpentine and 16,530 drums of rosin, represented a small gain. While the weather was more favorable than a year ago, nights were still somewhat cool and wet.

Output of steam distilled and tall oil rosin reached 101,840 and 29,500 drums, respectively. In spite of new production, stocks of gum turpentine and rosin stood lower than a month earlier, but wood stocks moved slightly higher.

Agricultural Marketing Service has has just released its annual report for the 1958-1959 crop year. It showed gum turpentine output declining 7 percent to 120,300 barrels, and gum rosin output eight percent lower at 369,350 drums. While turpentine's steady decline was said to be reaching a levelling-off point, not so with gum rosin. For while the latter still holds second place to steam distilled rosin, its standing is being challenged by rapidly increasing output of tall oil rosin.

More detailed data from this report will appear in this space next week.

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. May 15	Mon. May 18	Tues. May 19	Wed. May 20	Thurs. May 21
Drums—					
K	...	$8.50[1]	...	...	...
M	$8.[illegible]	...	...	...	...
N	8.60	8.30	$8.37	$8.45	...
WG	8.68[1]	8.78[1]	8.59[1]	8.62[1]	$8.90
WW	8.84[1]	8.69[1]	8.62[1]	...	9.03
Bags—					
K	8.55	...	...	...	...
N	...	...	...	...	8.42

Tankcars (for week ended May 21)—WG, $8.30; M or better, $8.00; K or better, $8.00; N, $8.10

Sales, USDA: 2,523* 2,486* 240* 1,000* 2,023*

New York (Per 100 lbs., c.l., Friday) WW, $10.40; WG, $9.85; K-M, $9.75

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	...	...	.531[1]	...	...
Sales	...	...	24,000[1]	...	...

* Drums equivalent. ¶ Gallons. § Average price. [1] K or better.

Pesticides Beckoned by Three New Marts

—Continued from page 4

rapidly growing population. Also, he cited a shift in eating habits that should result in a proportionately greater demand for livestock pesticides rather than for vegetable and fruit pesticides.

Dr. Haller pointed out to his CMRA audience that the big push in pesticides came with the introduction of synthetic organic chemicals into the field and the resultant decline in inorganic pesticides.

He noted that whereas 80 million pounds of lead arsenate and 60 million pounds of calcium arsenate—both important inorganic chemicals—were produced in 1944, the situation has "drastically changed" and only about 12.5 million pounds of lead arsenate and 9 million pounds of calcium arsenate were produced last year.

Dr. Haller credited two classes of organic insecticides—the chlorinated hydrocarbons and the organic phosphorus compounds—with leading the move to displace the inorganic chemicals.

DDT, he said, is the most widely used chlorinated hydrocarbon. Last year, production reached about 140 million pounds of which some 58 percent was exported.

Production last year of some of the other chlorinated hydrocarbons insecticides is estimated to be about 135 million pounds. Included in this category are aldrin, benzene hexachloride, chlordane, dieldrin, endrin, heptachlor and toxaphene.

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Trade Name Chemicals

—*Continued from page 49*

ity is increased, and releases it readily at lower humidities.

The addition of alkali increases the pH and reduces the viscosity. **"Stymer S"** is a completely water soluble synthetic resin. It is said to be readily scoured out of the fabric on such equipment as jigs and continuous washers. The removal action is accelerated by the use of temperatures from 150° to 180° F. and additions to the bath of mild alkali and detergent.

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The use of nonionic surface active agents is growing at a rapid rate as the properties and advantages of this class of products becomes better known. Because they do not ionize, nonionic surfactants are unaffected by hard water and dissolved salts. They are chemically stable in the presence of acid and alkalies. Therefore, they are often used with materials which would inactivate anionic surfactants.

Union Carbide Chemicals Company, division of Union Carbide Corporation, offers a line of nonionic surfactants trade named **"Tergitol." "Tergitol Nonionic NP-14,"** an alkyl phenyl polyethylene glycol ether, is a highly oil-soluble emulsifier and detergent. An almost colorless liquid, it is said to be dispersible in water and completely soluble in kerosene and aliphatic hydrocarbons. It forms water-in-oil emulsions in these materials. Union Carbide claims that **"Tergitol Nonionic NP-14"** is of particular interest as a component of dry cleaning detergents and industrial cleaners, and in the preparation of special emulsions.

Another Carbide nonionic surfactant is **"Tergitol Nonionic NPX."** Also an alkyl phenyl polyethylene glycol ether, this is an all-purpose detergent and wetting agent with good dispersing and emulsifying properties. Stable in the presence of acids, bases, and salts, **"Tergitol Nonionic NPX"** does not decompose at temperatures up to 300°F. It is miscible with chlorinated and aromatic solvents but it is not miscible with aliphatic hydrocarbons such as kerosense.

The **"Pluronics,"** a line of nonionic surfactants, are put out by Wyandotte Chemicals Corporation. The development of the **"Pluronics"** was based on the observation that as the molecular weight of a polypropylene glycol is increased, the glycol passes from a water-soluble to a relatively water-insoluble material. According to Wyandotte, at higher molecular weights, it is sufficiently water-insoluble to be a suitable hydrophobic base for nonionic surface active agents.

Among their advantages Wyandotte claims that the **"Pluronics"** have a relative absence of taste. Also they have a low order of toxicity and irritation. Due to their hydrophobic-hydrophilic ratio, the **"Pluronics"** are readily soluble in oily solvents. Furthermore, most of the **"Pluronics"** have been found to be stable to acids, alkalies, and most metallic ions. Finally, these surfactants do not give any indication of corrosiveness and may be handled in conventional equipment.

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Essential Oils, Aromatics

The general decline in orange and lemon prices precipitated last Monday by the California Exchange brand drop, lasted throughout last week and is expected to continue this week. Soon after the Exchange price revisions were announced, both California independent and Florida oil dropped to slightly below the Exchange level. Some reliable sources here predict still further declines, especially in the California independent and Florida oils. This is mere speculation, of course, and is by no means, the general feeling here. Some dealers, especially those who handle Exchange brand, feel the drop was too drastic. One of them pointed out that just 18 months ago, California expressed was selling for $3.25 per pound compared to the current 90 cents per pound. Explanations from the West Coast for the decline are that this had been an exceptionally good year for lemon and orange growers.

A potentially significant and currently controversial price drop was noted last week in lavender flower oil. It declined 50 cents per pound. Abies Siberica dropped 5 cents per pound.

Among the advances were clove leaf oil, 15 cents per pound and one of its principal derivatives, eugenol, 50 cents per pound. These were easily explainable as belated results of the flood damage to the clove crops in Madagascar in March. Citral advanced 30 cents per pound and West Indian orange oil advanced 40 cents per pound. This orange advance is in no way related to the domestic orange declines in California and Florida.

Once again styrax gum is available. One dealer here announced that his company is offering this aromatic for the first time in a number of months.

Seeds and spices remained relatively firm. Numerous price rises are anticipated during the summer.

Price Trends

Advanced

Citral, 30c. per lb.
Clove leaf, 15c. per lb.
Eugenol, 50c. per lb.
Mace, Siauw, No. 1 Prime, 25c. per lb.
No. 2 Whole, 10c. per lb.
Nutmegs, E. I. Whole Shrivels, 5c. per lb.
Orange, West Indian, 40c. per lb.

Reduced

Abies Siberica, 5c. per lb.
Cinnamon, Ceylon No. 2, 2c. per lb.
Cuminseed, Iranian, 1c. per lb.
Lavender flower, 50c. per lb.
Lemon, Messina, 24c. per lb.
Orange, California, expressed, 30c. per lb.
Florida, expressed, 15c. per lb.
Nutmegs, W.I., 2c. per lb.
Pepper, red, Funtuas/Nigerian, 1c. per lb.
Sesameseed, Nicaraguan hulled, ½c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	May 23, 1958
145.58	145.56	146.76	145.65

For Current Prices see page 9

Essential Oils

Abies Siberica—This oil, which is erronously referred to in the trade as Siberian pine needle oil, took a slight drop last week, according to a survey of New York dealers' prices. It declined from $2.50 per pound to $2.45 per pound. No clearcut explanation for this slight drop was put forth. Abies Siberica is the principal ingredient in shaving soaps, bath preparations, room sprays, deodorants, disinfectants, and inhalants.

Bois de Rose — Reports continued to come in predicting a price rise, but as of last week no advance was noted here. Both the Brazilian and Peruvian types of oil remained at their previous quotation, $1.80 per pound.

Cardamom—This oil, which is equally at home in gingerbread and pickles, remained at its previous quotation, $42 per pound. No further decline has been noted since it fell sharply from $45 per pound three weeks ago.

Chenopodium—The market is relatively firm at $4.15 per pound. One of the best-known anthelmintics, chenopodium is soon to mark its 100th year combatting several types of intestinal parasites in man and animals. Reliable sources report that this oil came into use during the War Between the States.

Cedarwood—This oil remains steady at 51c. per pound, according to dealers here.

Citronella—Oil from Formosa is increasing in strength, informed sources here report. The reason, they put forth, is that buyers in Europe are showing a great deal of interest in Formosan citronella. American buyers, on the other hand, are virtually ignoring it.

Citronella from Ceylon also is showing strength, but for entirely different reasons. According to reliable data, the Ceylon crops have recently been suffering from drought. This, coupled with the fact that citronella crops there were small to begin with, has sharply decreased the normal supply. Offerings are extremely small, interest is relatively high, so price is quite likely to rise. It was quoted last week at 54c. per pound, the quotation that has been in effect for some weeks now.

Clove Bud—No price change has been noted in this oil from Madagascar during the past several weeks. It remains on its high plateau, $2.75 per pound.

Clove Leaf—A 15c. per pound advance was noted last wek bringing the price up from $1.25 to $1.40 per pound. This revision, however, ought not to be viewed as a major change. The reason: most New York dealers have been quoting $1.40 for a number of weeks. The $1.25 quotation that has stood for some time, was that of one dealer who has finally decided to go along with the crowd. Word still has not been received here as to the extent of the damage the clove crops suffered in March as a result of the floods on the island of Madagascar.

Eucalyptus — Conflicting reports from dealers last week served to confuse the picture of eucalyptus. Some claim it is a weak market getting stronger and others claim it is a fairly strong market getting weaker. A few dealers, who fall into the later category, did reduce their prices. These reductions, however, were slight and affected only our "outside" quotations: "inside" quotations remained the same. They are: rectified, 70-75 per cent in drums, 51c. per pound and 80-85 per cent in drums, 57c. per pound.

Grapefruit—Demand for Florida oil is reported to be responsible for firming up the market. The price remained at its previous quotation, $2.10 per pound in cans.

Hemlock—This oil is still being quoted at $2.70 per pound. Speculation, however, is that it is in for another decline.

Lavender Flower—In a move to bring the prices of the French USP grades of the oil down to a more realistic level, several dealers here reported substantial reductions. The 35-37 percent ester was quoted at $2.75 per pound which represents a 50c. per pound drop from the previous listing, $3.25. The 40-42 percent ester shows signs of weakening. As yet, however, its price remained at the previous quotation, $5 per pound.

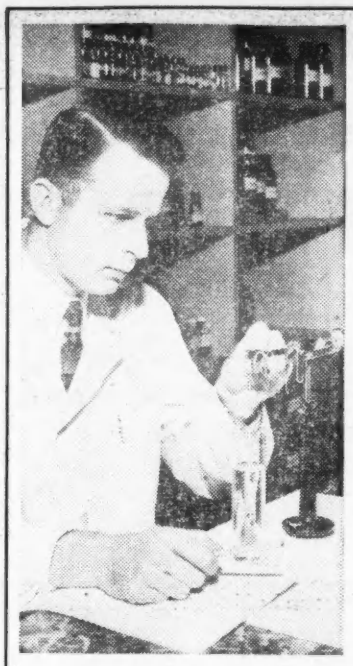
This reduction is by no means agreed upon by all the New York dealers. One dealer, noted for his reasonable prices, claims he has no intentions of lowering his price from $5.35 for the 35-37 percent ester.

Lemon—Quite a bit of price adjusting has occurred since last week when the California Exchange brand declined from $4 per pound to $3.50. The major change, naturally, took place among the independent prices. Independent oil, as of last Friday, was being quoted at $3.40 per pound. Lemon oil from Italy, listed as Messina, declined from $4.50 per pound to $4.25.

Nutmeg—For almost two months, nutmeg oil, from both the East and the West Indies, has remained at $9.50 per pound.

Orange—The three dealers here who handle the California Exchange brand of this oil, are still recovering from the shock they felt when the West Coast suppliers announced their drastic price declines. As this publication reported last Monday, the Exchange oil brand expressed oil was reduced from $1.25 to 90c. per pound and Exchange brand sweet distilled oil was reduced from 70c. to 60c. per pound. In order to compete with these declines, the independent California oil, also declined. Independent expressed was quoted at 85c. per pound and independent sweet distilled was quoted at 65c. per pound.

Other sympathetic reductions came, naturally, from Florida. Expressed oil



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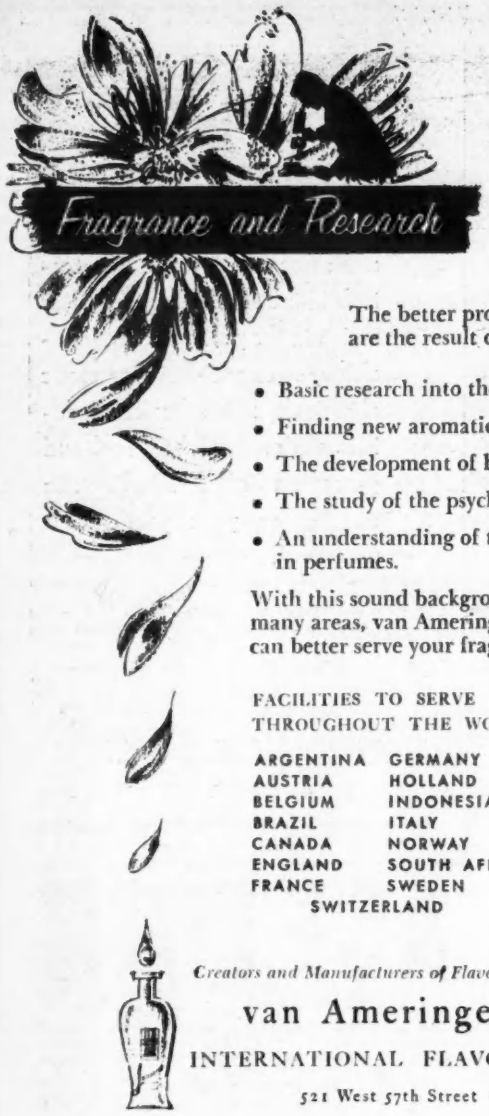

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Essential Oils

from the Sunshine state was quoted last week at 70c. per pound.

The only orange oil that was reported to have advanced in price last week was bitter from the West Indies which rose from its previous quotation, $3.35 to $3.75.

Patchouli—The market is firm at $4.80 per pound.

Petitgrain — The previous quotation, $2.45 per pound, held last week, but the market is firm and the price is expected to rise in the near future.

Aromatic Chemicals

Benzyl Isoeugenol—Following its surprising decline several weeks ago, this clove oil derivative remained firm last week at $9.50 per pound.

Citral—As the lemongrass market shows strength, the prices of its derivatives are advancing. Last week, for instance, the price of the regular grade of citral rose from its previous quotation, $2.85 to $3.15, making a rise of 30c. per pound. As yet, no inside price change in the extra grade is evident, but last week's outside price change presents an enigma. Several dealers indicated that their prices were coming down rather than going up. This seems paradoxical except when one considers the capricious nature of lemongrass prices, the essential oil from which citral is derived.

Eugenol—Ever since the floods in Madagascar, all the aromatic chemical dealers have been gradually increasing the per pound price of eugenol. One major dealer, however, advanced his prices at a relatively slower rate—much to the consternation of his competitors. Since late March, this lone dealer held his price down to $1.90 per pound, but last week, even he revised his price. According to a compilation of quotations from the dealers in the New York area, the price of eugenol was $2.40 per pound.

Styrax gum—For the first time in several months, dealers here have acquired stocks of this chemical. The USP grade was offered last week at a price of $4.50 per pound in 70-pound drums, while the purified was offered at $5.50 per pound. These offerings, however, came as quite a shock to other dealers mindful of the inflationary status that has characterized this product for almost two years. One dealer said his company discontinued its whole line of styrax gum when the price rose past $4 per pound. In 1956, he pointed out, it sold for as litle as 75c. per pound.

Seeds and Spices

Cassia—Demand is picking up and the shipments afloat are smaller than usual, according to informed sources here, so a rise in price during the next few weeks is imminent. Statistics showed that imports lagged behind consumption for the last six months, that most of the broken Saigon cassia in New York has been sold and that only odd lots of medium are available to the buyers.

Ginger—Reports indicate that stocks here are somewhat below normal for this time of the year, therefore, all grades are expected to firm up as soon as the demand increases.

Pepper—Shipments that are scheduled to arrive in June are considerably smaller than those that have come in this month, dealers here reported. For this reason, a firm market for pepper is anticipated as the summer approaches. Prices were said to have advanced gradually last week. As far as the Singapore variety is concerned, sellers there are still making no effort to compete with spot prices. They have sold little or no pepper to dealers here during the past month and apparently have not suffered from this loss of business. Regardless of the price, however, dealers here will soon be forced to buy from Singapore at which time the Singapore variety will advance in price, informed sources here report.

The white pepper market showed signs of firming up last week because spot supplies are skimpy and future arrivals will be light, according to information received here.

Pimento—The cheaper grades advanced consideraly last week, dealers here reported.

Procter & Gamble Correction

Proctor & Gamble Company, Cincinnati, Ohio, was erroneously reported with headquarters in New York in OPD last week. The article dealt with P&G's relinquishment of two subsidiaries in Cuba to nationals of that country.

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Petroleum Derivatives

Some little light appeared on the industrial horizons of this market last week. Two factors appeared to play lead roles in the illumination. First, automobile makers reported a respectable upsurge in output. This sounded awfully good to styrene makers and other derivative producers with a stake in Detroit. Also, at the same time, information out of Pittsburgh offered a suggestion (a weak one, albeit a suggestion all the same) that the steel labor situation might possibly be concluded without as big a fight as had been originally feared. Though both items are good signs, particularly in light of the tough slogging the markets been making of things these past months, producers point up reservations in relation to both items. As to Detroit, they say the higher production is only a temporary matter mostly covering a surge in seasonal buying. Of Pittsburgh they say hope for anything less than a prolonged struggle is nothing but a dream that will never be borne out. Whichever side of the argument proves to be right will be uncovered within the next few months. The way one producer sees it, all industry, for its own sake, should be plumping for the sanguine view.

Price Trends

Advanced
None
Reduced
None
Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	May 23, 1958
104.42	104.42	104.42	105.71

For Current Prices see page 9

Solvents and Diluents

Benzene—Recent reports of a healthy hike in automobile production made styrene makers take a bit more hopeful look at the next few months. However, the question already raised is, just how significant is the upturn. In some quarters the answer is thought to hinge on a seasonal factor. Others think the fulcrum to be a move to get output up to beat the probable strike development in Pittsburgh. However, throughout these developments, benzene remains unperturbed with the price remaining at earlier levels and heavy stock piles still pretty much the order of things.

Cleaners Naphtha—Seasonal sales have been making a relatively pretty picture out of this material. Prices remained steady with supplies said to continue ample. The growing use of synthetic fiber summer clothes continues to put something of a damper on conditions in the market, but not so much that producers can't see the healthy sales conditions prevailing.

Partial Aromatics — Matters looking up in Detroit have made for happier producers in this field. Also, another factor—the construction industry sales picture—has made for a sense of security in partial aromatics that doesn't necessarily prevail in other areas of the derivatives market.

Toluene—Producers here reported that matters have been looking up a little because of the shift of the government's position on the use of toluene in military air vehicle's gas tanks. With a premise that every little bit helps, producers say that the broadened government buying of toluene will shave off enough of the top of stockpiles so that they won't any longer look topheavy. A bit unwieldly, perhaps, they concede, but no longer topheavy.

LPG's

Butane—Production of this material during the last two weeks of April was tallied at some 86,957,000 gallons in the American Petroleum Institute's bi-monthly report. This figure is somewhat less than the 88,458,000 gallons produced during the first two weeks of the month while both figures are a good bit higher than the 68,289,000 gallons produced during the last two weeks of April, 1958.

Inventories of butane at plants, terminals and underground, the API report says, amounted to 168,160,000 gallons on April 30 as compared with the 141,796,000 gallons on hand on April 15 and the 190,647,000 gallons on hand on April 30, 1958.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended May 9 totaled 255,845,000 barrels according to data reported by the Bureau of Mines. Compared with the total of 255,027,000 barrels the preceding week, this represents an increase of 818,000 barrels comprising an increase of 530,000 barrels in stocks of domestic crude and an increase of 288,000 barrels in stock of foreign crude.

Ethane-ethylene—Production of this LPG during the last two weeks of April amounted to 17,676,000 gallons, according to the latest information released by the American Petroleum Institute. This figure is comparable to the 17,846,000 gallons produced during the first two weeks of the month.

Inventories of ethane-ethylene came to 1,013,000 gallons on April 30, the same figure arrived at on April 15.

Production of ethane-ethylene LR-Gas amounted to 13,265,000 gallons during the last weeks of April, the API report said. This figure is something of a hike over the 8,658,000 gallons produced during the first two weeks of the month. Inventories of LRG ethane-ethylene were tallied at 8,897,000 gallons on April 30 as compared with the 7,312,000 gallons on hand on April 15.

Propane — Production of this material during the last two weeks of April, according to a bi-monthly report from the American Petroleum Institute, amounted to 157,925,000 gallons, as compared to the 158,630,000 gallons produced during the first half of the month and the 150,588,000 gallons produced during the last two weeks of April, a year ago.

Inventories of propane at plants, terminals and underground, according to the API report, amounted to 342,539,000 gallons on April 30 as compared with 295,475,000 gallons on April 15 and some 151,505,000 gallons on April 30, 1958.

Waxes, Mineral

Microcrystalline—Sales continued along previous lines, with little shift noted, though the firm fiber of seasonal demand holds the market for this wax at what one producer describes as a nice comfortable level. Laments continue to be heard from here and there over the dark plastics cloud hovering above the wax coated container market. However, inroads to-date have not been great and most dealers suggest that the market won't find deep trouble from this area for some time yet.

Paraffin—Little new for this material on the market. Sales remained steady at prices reduced not too long ago with no variation in position seen by producers. Production on quantitatively also continued along previous levels.

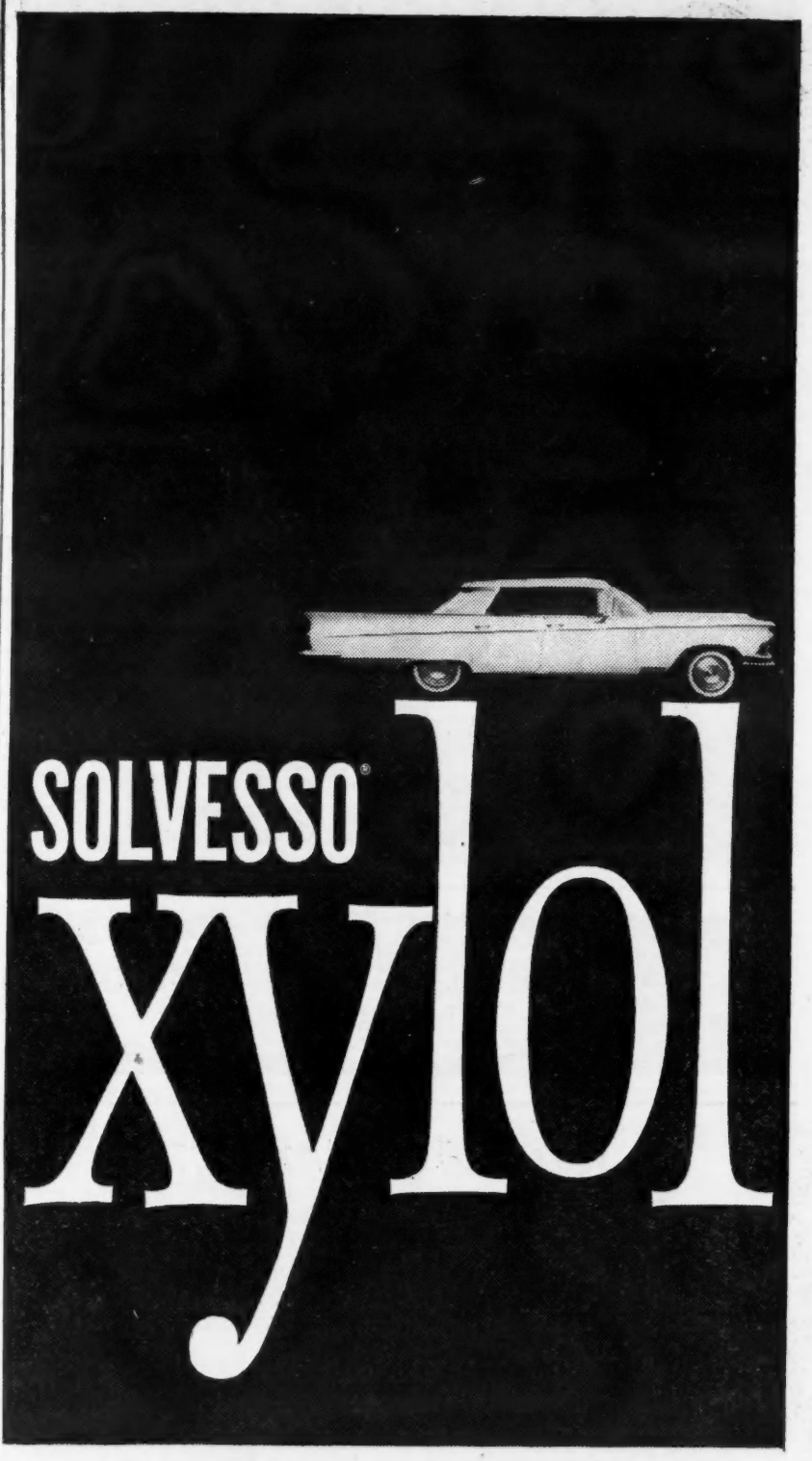
Miscellaneous

Crude oil production in Saudi Arabia during April totaled 31,292,991 barrels, or an average of 1,043,100 barrels per calendar day, according to a report. This compares with 27,849,205 barrels, or an average of 928,307 barrels per calendar day, during the corresponding month last year.

Crude processed at the Ras Tanura refinery during April amounted to 4,463,800 barrels, an average of 148,793 barrels per calendar day, as compared with 5,087,656 barrels, an average of 169,589 barrels per calendar day, during the corresponding month last year.

Total production of crude oil during the first four months of 1959 was 129,188,974 barrels, an average of 1,076,575 barrels per calendar day. This compares with a total of 120,523,159 barrels, an average of 1,004,360 barrels per calendar day, during the corresponding period last year.

Crude run in the refinery during the first four months of 1959 amounted to 21,218,062 barrels, an average of 176,817 barrels per calendar day, as compared with 22,653,310 barrels, an average of 188,778 barrels per calendar day, during the corresponding period last year.



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Oils, Fats and Waxes

Trading in edible oils was fairly active, chiefly for prompt requirements. Cottonseed oil continued strong and advanced fractionally. Soybean and corn oils also were firm and higher. Peanut oil was unchanged, but remained on a steady basis. Trading in coconut oil lagged. Scarcity of supplies kept the market firm. Light stocks at New York for prompt delivery were lifted ¼ cent per pound, while the Pacific coast market was unchanged.

Slow demand for domestic and export delivery weakened the tallow and grease market. This brought out increased offers and moderate sales were reported at a decline of ⅛ cent per pound.

In drying oils, imported castor continued to show increased strength. Sales of No. 1 Brazilian took place at fractionally higher levels. Offers continued limited and quotations were advanced ½ cent per pound. This strength was reflected in domestic hydrogenated castor oil which was boosted 1 cent per pound, with predictions of further increase in the offing. Other castor oil grades were unchanged, but firmer. Limited stocks of oiticica were maintained at unchanged prices, with sellers not pressing for business. Tung oil continued on a steady basis with spotty demand for prompt delivery. Good volume of linseed oil continued to move against former contracts, while new business was restricted to fill-in needs. Increased buying interest was noted in crude menhaden oil both for domestic and export needs. Moderate sales were reported if and when basis.

Soybean meal was easier and declined $3 per ton for prompt shipment. Linseed meal stocks were limited, but resale meal stocks off $5 for spot delivery. Peanut meal dropped $1 per ton, while cottonseed meal was quiet and unchanged.

Price Trends

Advanced

Castor oil, No. 1, Braz., ½c. per lb.
Castor oil, hydrog., 1c. per lb.
Coconut oil, crude, N.Y., ¼c. per lb.
Corn oil, crude, ¼c. per lb.
Refd., ½c. per lb.
Cottonseed oil, crude, ⅜c. per lb.
Refd., ⅜c. per lb.
Soybean oil, crude, ¼c. per lb.
Refd., ¼c. per lb.

Reduced

Copra, $5 per ton.
Greases, ¼c. per lb.
Linseed meal, $5 per ton.
Peanut meal, $1 per ton.
Soybean meal, $3 per ton.
Tallow, inedible, ¼c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	May 23, 1958
111.88	113.12	115.14	116.28

For Current Prices see page 9

Vegetable Oils

Castor—Higher cost of imported oil has strengthened domestic grades and improved consuming demand. Prices were advanced 1c. per pound for hydrogenated oil, while other grades are unchanged, but firmer. Brazilian oil continued to advance and was quoted nominally at 17¾c. per pound, tankcars, New York, prompt delivery, following sales at 17½c..

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:

	Pounds	
	Castor Beans	Castor Oil
Last week	.....	2,700,000
Previous week	240,600	2,600,000
Corresponding week, 1958	.....	1,578,000
Total this year	11,830,900	36,110,000
Corresponding period, 1958	8,769,700	34,953,750

Coconut—Scarcity of supplies kept this market firm. Trading was slow. Crude was unchanged at 20½c. per pound, tankcars, f.o.b. Pacific coast, May shipment; 20¼c., June and 19¾c., July. At New York, limited stocks were held at 22½c. per pound, tankcars, for prompt delivery.

Corn—Crude was firmer and sold up to 13½c. per pound, tankcars, f.o.b. mills, prompt shipment. Offers were light. Refined was higher at 17.23c. per pound, tankcars, New York basis.

Cottonseed—Steady tone prevailed in futures on the New York Exchange last week. Trading was fairly active and nearby futures reached new highs for this move. Buying and covering resulted from the growing scarcity of crude oil, which again scored fractional gains. Argentine was reported seeking authorization for 75,000 tons of vegetable oils. Negotiations were expected to be settled within two weeks, according to reports from Washington. Cash oils were firm and higher. Refined salad was advanced to 16½c. per pound, tankcars, New York, prompt delivery.

Crude cottonseed oil was scarce and advanced ⅜c. per pound. Sales were reported at 13c. per pound, tankcars, f.o.b. mills, Valley and bid. Bids of 13c. were reported in the southeast, and 12⅝c. asked, Lubbock and Waco.

Crude oil production in April was indicated at 2,171 tankcars compared with 1,454, April last year.

Palm—Demand was reported spotty. Drums were unchanged at 16c. to 17c. per pound spot as to quantity. Tankcars were held at 13.4c. per pound, New York, prompt delivery.

The Senate passed the bill suspending the 3c. processing on palm and palm kernel oils, also fatty acids, salts and other derivatives thereof through June 30, 1960. The bill was sent to the White House for the President's signature.

Peanut—This market was quiet, but steady. Crude was unchanged at 13¾c. per pound, tankcars, f.o.b. mills, prompt shipment. Refined was quoted at 17¼c. per pound, New York basis.

Soybean — Firmer tone prevailed with moderate trading reported at higher levels. Crude was sold at 9¾c. per pound, tankcars, Decatur, unrestricted, prompt delivery. Refined salad was lifted to 11.93c. per pound, tankcars, New York, prompt delivery.

Production of crude soybean oil in April totaled 6,093 tankcars against 5,593, April last year.

Tung — This market remained unchanged and steady. Trading was spotty. Tankcars were moved at 23c. per pound, New York, prompt delivery, with ⅛c. more asked for July. Drums were held at 24½c. to 25c. per pound, spot as to quantity. Domestic oil was unchanged at 22c., tankcars, f.o.b. mills, prompt and ⅛c. more for later delivery.

Cottonseed Oil Futures

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended Friday, May 22, follow:

	Sales	High	Low	Close
		Cents per pound		
July	821	14.64	14.21	14.59S
Sept.	343	14.03	13.61	13.99S
Oct.	20	13.55	13.33	13.52@13.53
Dec.	229	13.37	13.15	13.32@13.34
March	21	13.37	13.26	13.38S
May (1960)	3	13.32	13.24	13.32S
July (1960)	4	13.27	13.20	13.28 Bid

Total sales and switches, 1,442 contracts.

Miscellaneous

Copra—Prices were easier and off $5 per ton. Prompt shipments were quoted at $265 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—Slow business unsettled the market. Quotations were off ⅛c. per pound. Yellow grease was offered at 6¾c. per pound, tankcars, delivered. Choice white was available at 7½c., same basis.

Lard — Cash market was steady and slightly higher. Drums were quoted at 9.75c. per pound, Chicago.

Tallow—Quiet demand for domestic and export weakened this market. Offers were freer and sales took place at ⅛c. lower. Bleachable fancy was sold at 7⅛c., tankcars, delivered and offered thereat. Prime was quoted at 7c., special, 6⅞c. and No. 1, 6¾c., same basis. Edible tallow was unchanged at 9⅛c. to 9¼c., tankcars delivered. Export interest continued inactive. Guaranteed fancy was lower at 8½c., drums, f.a.s. and 7⅝c., bulk.

Fish Oils

Cod — Market was unchanged and steady. Trading was reported spotty for shipment. Drums were quoted at 7½c. per pound, New York prompt shipment

Oils, Fats and Waxes

and 7¼c. bulk, Gloucester. Spot stocks ranged from 9c. to 9¼c., as to quantity.

Menhaden—Domestic demand has improved with trading reported at 7½c. per pound, tankcars, works, if and when made. Export interest also was more active. Fishing in the Gulf was still spotty. Operations were started on the south Jersey coast last week and the fleet was scheduled to start fishing in the Chesapeake Bay area this week. Refined oil was in fair demand for actual needs. Light pressed was unchanged at 9½c. per pound, tankcars, New York basis.

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Cake and Meal

Cottonseed Meal — Trading was slow. Stocks were low and unchanged. Meal, 41 percent was quoted at $62 per ton, sacked, Memphis, $57, Alabama and $59, Georgia, South Carolina.

Linseed Meal—Trading was light. Spot delivery declined $5 per ton.

Minneapolis—Trading lagged as trade awaited offerings from government toll crushing program. Modest quantities of 34 percent solvent meal were booked for June delivery at $60 a ton and scattered spot trades were accomplished at $65, a drop of $5 a ton. Old process meal was not offered.

Shipments of linseed meal, in pounds were as follows:

	1958-59	1957-58
Past week	7,260,000	9,060,000
Since Sept. 1	442,760,000	509,460,000

Peanut Meal—Fair demand was noted for spot and export delivery. Meal, 45 percent was lower and sold at $53 per ton, sacked, f.o.b. Alabama and Georgia points.

Soybean Meal—Demand was slow in this market and prices slipped $3 a ton in most areas. Business was especially poor in the southeast and on the eastern trunk line. Important factor was slower poultry business. Production was at a faster rate, contributing to lower market. Meal, 44 percent protein, was available at $54 a ton, unrestricted, bulk, Decatur, for prompt shipment.

Waxes, Vegetable

There was little demand for waxes last week as consumers continued to operate in a hand to mouth manner. Carnauba grades were quotably unchanged due mainly to the high cost of replacements from Brazil. No. 3, Ceara crude was held 74c. to 76c. per pound, spot, as to quantity and Parnahyba 2c. more. No. 1 yellow remained steady despite offers of off grade material which was available at concessions. No. 1 Ceara was maintained at $1.10 to $1.12 per pound, spot according to quantity and Parnahyba was held at 2c. higher. Crude beeswax was quiet, but offers for shipment were limited and well held. Refined beeswax was unchanged and steady. Other vegetable waxes were quiet and unchanged.

Asarco, Mexican Firms Form Zinc Producing Unit

American Smelting & Refining Company has joined a group of Mexican firms to form Zinc Industrial, S.A. The new company will be the first Mexican producer of special high grade zinc, used principally for die-casting.

A new refining plant at Tlalnepantla, near Mexico City, is scheduled for production in late 1959 or early 1960. The first refining facilities will consist of a vertical fractionating column which will use as a raw material prime western grade zinc, produced at Asarco's Rosita smelter, in the Mexican State of Coahuila.

Asarco, which owns a 50 percent interest in Zinc Industrial, will provide technical assistance in construction and operation. J. Mata, a partner and head of Productos de Zinc y Plomo, S.A., will manage the new company.

Liquid Oxygen, Nitrogen Plant Is Set by Airco Unit

Air Reduction Pacific Company, a division of Air Reduction Company, New York, has begun construction of a new $3 million liquid oxygen, nitrogen and argon plant in Richmond, Cal.

The new plant, which will produce daily thirty tons of the liquid products, will largely serve the missiles, metalworking and steel industries in the San Francisco Bay area, Airco says.

Insecticides, Fungicides

—Continued from page 7

hydrocarbon insecticides (aldrin, etc.) rose to a new high of 78,834,000 pounds in 1958 from the 1957 total of 52,500,000 pounds.

Disappearance of DDT and benzene hexachloride at 66,700,000 pounds and 5,500,000 pounds, respectively, were somewhat lower than in 1957. Calcium arsenate fell from 18,250,000 pounds to 9 million pounds and rotenone from 6,224,000 pounds, to 4,140,000 pounds. Copper sulfate declined from 78,600,000 pounds to 75,058,000 pounds.

The weed killers 2,4-D and 2,4,5-T, reached a higher level than the year before, the former going from 20,500,000 pounds to 21,300,000 pounds and the latter from 1,800,000 pounds to 3,800,000 pounds.

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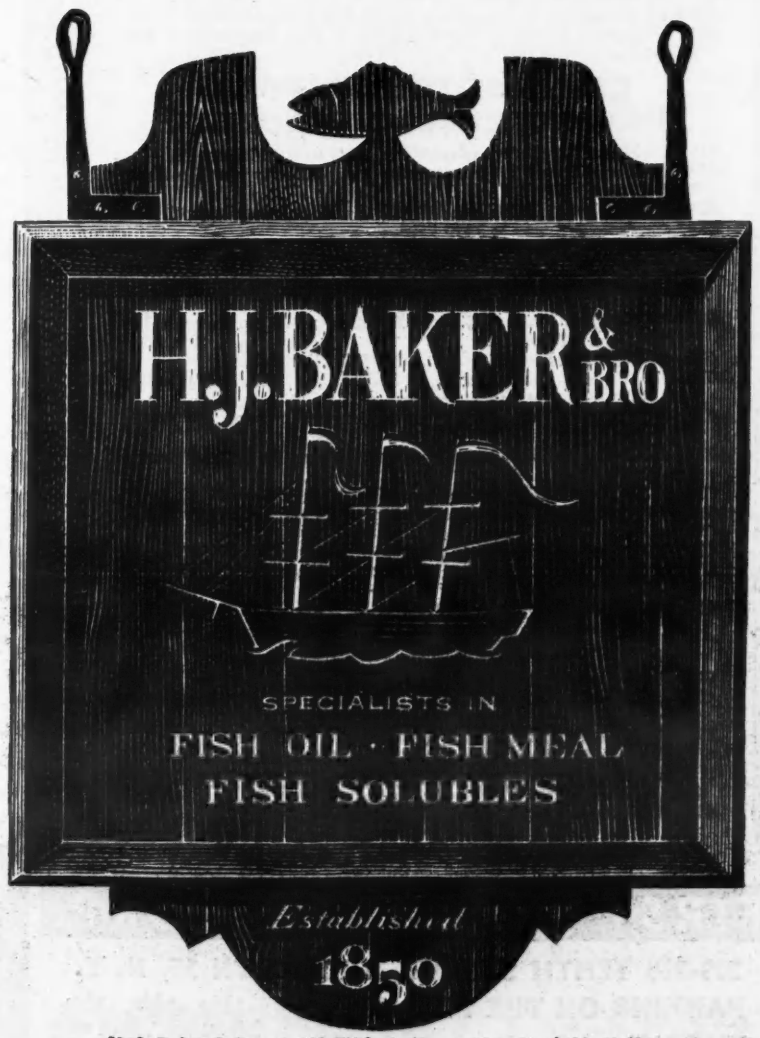

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4949 D 2 Baker Perkins Lab. Mixer ¼ gal.; Tilting; Disp. arms; S/S.
4689 Baker Perkins S/S Mixer; Jktd. 100 gal. working capacity; with Vacuum cover; 28"x43"x36"; Tilting.
4305 K 3 Baker Perkins Cascade Mixer in Type 316 Stainless; 3 stage Size 17 Class BS Mixers in Tandem.
4702 B1 J. H. Day Cincinnatus S/S Jacketed Mixer; 300 gal. with Double Sigma Z Arms.
4514 S 2 Stainless Conical Blender 42"x16" body with 16" cones; 22 cu. ft. or 170 gal. 3 HP.
4831 D 17 Readco Jacketed Ribbon Blender; 10 cu. ft. 18"x48"; 5 HP.
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4840 B 38 S/S Vertical Kettle 850 gal. 60"x68".

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Porcelain lined Mills by Abbe Patterson, others in 36"x42", 30"x42", 48"x60" up to 8'x8'.
Patterson JACKETED Ball Mills 54"x42"; good for Vacuum.
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8500 Sturtevant S/S Micronizer 30"x3" with Syntron Vibrator.
4551 S 4 Paul O. Abbe Stainless Ball Mill 9 gal.; 18"x9".
4867 Four Mikro Stainless No. 2 Pulverizers; Rot. Air Lock Feed.
4760 Mikro Atomizers in Stainless Models No. 5 and 6.
4472 G2 Fitzpatrick Comminutator Model K 7 with 20 HP motor.
4904 D 1 Fitzpatrick Comminutator Model D in Stainless Steel.
4834 Fitzpatrick Model C Divelling Mill; 2 Rolls each with 9 disc Knives.

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4510 C1 Marco S/S Homogenizer Model 400; with 10 HP motor.
4827 N3 Cherry Burrell S/S Homogenizer No. 41 Sanitary or Viscolizer; 1500 GPH; 50 HP.
4852 Premier Colloid Mill Type UB with Stainless Rotor-Stator-5 HP.
4687 Charlotte S/S Size 3; 3500 RPM.
1699 F2 U.S. Colloid Mill L2 S/S up to 75 gal. per hour capacity.

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4576-C2 Same as above 990 sq. ft. with 440 (¾") tubes.
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4221 P 1 Whitlock Stainless Heat Exchanger; 2 Pass.; 17"x128"; 250 sq. ft.
4576 C3 Horizontal Stainless Condenser; 872 sq. ft. 24"x14' having 384 (⅝") tubes.
4344 H 4 Stainless Tubular Condenser; 26"x9'4"; 350 sq. ft.
4000 K1 Vertical Stainless Condenser 16"x11'10"; 230 (½") S.S. Tubes.
4954 T 3 Patterson-Kelley Stainless Heat Exchanger; 8"x14'; 38 sq. ft.
4726 M 15 Vertical Single Pass S/S Heat Exchanger 13½"x10'4" having 110 (¾") Tubes.
4749 Stainless Sanitary Heat Exchanger; 65 sq. ft. 48 (1") Tubes.

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4870 N2 Sparkler Stainless Filter Model 14/S/4 Jacketed; 16"; 200 GPH.
2729 Dorrco Rotary Vac. Filter 6'x3'; 50 sq. ft. in NICKEL.
4692 T Oliver Pre Coat Filters; 3'x2' MONEL Drums; ASME.
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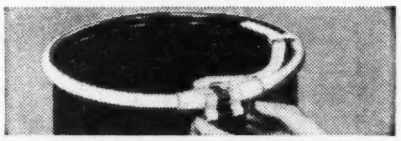
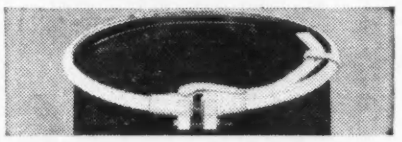


2. Clamp lever in place, insert bolt and apply nut.



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2—Abbe 5' x 16' brick lined Mills.

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1—4500 gal. 9' x 9' with Nettco Turbo Agitator, 3 HP motor.

1—5000 gal. 9' x 10' with Nettco Turbo Agitator, 15 HP motor.

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1—13,000 gal. Horizontal Storage 8' x 35'.

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1—5200 gal. 10' x 9' with Patterson Turbo Agitator, 10 HP motor.

15—Storage Tanks: 3800; 6000; 9000; 10,000; 15,000; 47,000 gals.

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11—Steel Buildings 20' to 80' trusses.

2—Shepard Niles 20 ton Overhead Cranes.

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1—Bemis 50# Bag Packer with Sewing Machine, Conveyor and Flattener.

125—LaBour, Durco, Worthite, Duriron and Stainless Steel Centrifugal Pumps 2" to 6" with motors.

PARTIAL LIST OF VALUES • SEND FOR CIRCULAR

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6—B & W 70,000# per hour Boilers, 600 psi.

1—I. R. Two Stage Compressor, type HHE2, 600 HP motor, 3170 cfm, 125 psi.

125—Heat Exchangers up to 4600 sq. ft.

100—Pressure Vessels.

200—Centrifugal Pumps with XP motors.

30—Towers, 2' to 10' dia.

75—Storage Tanks, 1000 to 80,000 barrels.

7—Hortonspheres, 5000 to 10,000 barrels.

Pipe; Valves; Fittings.

CIRCULAR BEING PREPARED
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OTHER LOCATIONS

13—Rotary Dryers: 8' x 87', 7' x 80',

8—Vulcan 8' x 125' Rotary Kilns. 7' x 55', 6' x 60', 6' x 50', 5'6" x 50', 5'6" x 50', 5' x 30', 4' x 40', 4' x 30', 4' x 20', 34" x 30'.

3—Louisville 8' x 50' S.S. Rotary Dryers.

1—Louisville 4'6" x 40' Aluminum Rotary Steam Tube Dryer.

2—Link Belt 6'4" x 24' S.S. Roto Louvre Dryers.

1—Wyssmont 304 S.S. Turbo Dryer, 6'2" x 10'4" high, 24 shelves.

1—Baker Perkins 5'6" x 6' Rotary Vacuum Dryer or Mixer.

5—Baker Perkins 15 JIM2 100 gal. Mixers, Unused.

5—Raymond 2 Roll Bowl Mills.

1—Penn. Non-Clog Swing Hammermill 5060, Unused.

5—Raymond and Gayco Double Whizzer Air Separators: 18', 14', 8', 30".

2—Buflovak Monel & S.S. Evaporators: 550, 250 sq. ft.

8—Struthers Wells 316 S.S. jacketed, agitated Reactors: 1000, 2000, 3000 gals.

3—Swenson Walker Crystallizers 30' long.

1—Dialyzers 304 S.S., 120 leaves.

1—Buflovak 42" x 120" Double Drum Dryers.

3—Tyler Hummer 4' x 10' type 38 Vibrating Screens.

1—Oliver 100 sq. ft. Vertical Pressure Filter, 304 S.S.

2—5000 gal. Steel jacketed, agitated Kettles.

REACTORS — EVAPS — CONDS — TANKS

1—1500 gal. Pfaudler glass lined jktd. agtd. Reactor.

1—500 gal. Walters 304 S.S. jktd. agtd. Reactor.

1—1400 gal. Blaw-Knox steel jktd. agtd. Reactor.

1—3500 gal. 304 S.S. jktd. agtd. Tank 9' x 7'.

1—7500 gal. 316 S.S. Vert. Storage Tank 7' x 25', 50 psi.

1—20,000 gal. 347 S.S. Vert. Storage Tank, 12' x 23'.

1—750 gal. nickel clad Mixing Tank, 125# internal with nickel coils.

1—4000 gal. Haveg Vertical Tank 8' x 12'.

1—12,000 gal. horiz. steel Tank 7'6" x 36', 200 psi.

8—Stainless Heat Exchangers: 1220, 942, 536, 396, 315, 250, 157 sq. ft.

1—24" dia. x 35', 304 S.S. Bubble Cap Column.

1—30" dia. x 20', 304 S.S. Bubble Cap Column.

CENTRIFUGES

1—Bird 18" x 28", 316 S.S. Solid Bowl, Cont.

1—Bird 18" x 28", steel, Solid Bowl, NEW.

2—Sharples PY14, PN14, Super-D-Canters, 316 S.S.

1—Sharples H2 Nozzlejector, 15 HP, 304 S.S.

1—Bird 40" suspended, 347 S.S., perf. basket.

1—Tolhurst 30", 304 S.S. underdriven, perf. basket.

2—Sharples #16, 304 S.S., 3 HP motor.

FILTERS

1—Oliver 5'3" x 8' Steel Rot. Vac. vapor-tite housing.

1—Sparkler 33S28 Filter 150 sq. ft., 304 S.S.

1—Niagara 36H110 horiz. Filter 110 sq. ft. 304 S.S.

1—Sparkler 33-S-17 steel Filter 92 sq. ft.

1—#12 Sweetland, 48 leaves, 3" centers, 640 sq. ft.

2—#10 Sweetland, 27 leaves, 4" centers, 250 sq. ft.

DRYERS

3—Buflovak Vac. shelf, 20—60" x 80" shelves.

1—Devine Vac. Shelf, 19—59" x 78" shelves.

1—Devine Vac. Shelf. 10—40" x 43" shelves.

2—Overton 42" x 120" Atmospheric Double Drum.

2—Devine 5' x 12', 4' x 9' Atmospheric Single Drum.

1—Buflovak 3' x 20' Rotary Vacuum, 316 S.S. Unused.

2—Louisville Rotary Steam Tube, 6' x 25', 6' x 50'.

1—Rotary Kiln, 9' x 130'.

1—Traylor 30" x 18' S.S. Rotary Dryer.

MIXERS

1—Baker Perkins #16TRM 150 gal. jktd. sigma blades, Vacuum, 50 HP.

5—Day "Cincinnatus" double arm, 250 & 100 gal.

3—1500# Powder Mixers, 7-1/2 HP XP motors.

3—Steel jktd. Powder Mixers; 225, 350 cu. ft.

Partial List of Values — Send for News Flash!

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$3,000,000 LIQUIDATION

TYPE 316 STAINLESS STEEL EQUIPMENT

CHEMICAL PLANT

ORANGE, TEXAS

SPECIAL ITEMS

3—Sharples C-20 Super-D-Hydrators, T316 SS, 20 HP.
2—Bird-Young 4' dia. x 3' face rotary vacuum filters, 40 sq. ft., T316 SS.
3—18,000 gal. aluminum cone bottom tanks, 12' dia. x 31' OAH.
4—1200 gal. crystallizers, T316 SS, 5' dia. x 7' high, cone bottom, dished top.
7—560 gal. crystallizers, T316 SS, 3'6" dia. x 7' high, cone bottom, dished top.
1—Alco 60 sq. ft. vertical pressure leaf filter, T316 SS.
3—Worthington 160 ton steam-jet refrigeration units.

TYPE 316 STAINLESS STEEL KETTLES

4—3,500 gal. kettles, Struthers-Wells, 7' dia. x 12' high, T316 SS, 11/32" shell, dished heads, 11 turns, SS coil, 10# jacket, two-speed agitator, 40/20 HP - 1750/500.
1—2850 gal., 6' dia. x 12' high, T316 SS, horiz, still kettle.
3—1,000 gal., 5'6" dia. x 6' high, T316 SS, int. coils, turbine agitators.

COLUMNS — STAINLESS STEEL

1—103" dia. Vulcan scrubber, T316 SS, 10 traps on 12" centers, 252 caps per tray.
1—96" dia. Vulcan scrubber, 10 T316 SS trays 12" centers, 276 caps.
2—96" dia. Vulcan columns, 30 trays, T316 SS, 272 caps per tray.
2—60" dia. x 13' high, Vulcan scrubbers, 10 trays, 100 caps tray, 12" centers.
2—48" dia. column, 30 & 25 trays, 66' & 45' high, T316 SS.
3—30" dia. packed columns, 25' high, T316 SS.
4—24" dia. Vulcan bubble cap columns, 12 trays, T316 SS, 18" spacing, vacuum.
2—20" dia. stainless steel columns, 30' & 25' high, T316 SS.

COLUMNS — COPPER

1—72" dia. Vulcan bubble cap copper column, 46'10" high, 40 trays, Vacuum.
2—48" dia. bubble cap copper columns, 31' & 45' high, Vacuum.
2—42" dia. Vulcan stills, 66" high (evaporator bodys).
1—24" dia. column, 25'8½" long, 20—trays, vacuum.

TYPE 316 STAINLESS STEEL TANKS

1—17,650 gal., 9' dia. x 35' long, T316 SS, ¼" shell, ⅜" heads w/coil.
2—7,500 gal., 10' dia. x 13' high, T316 SS, ¼" shell.
2—6500 gal., 11' dia. x 7' high, T316 SS, 7/16" shell, ½" heads.
12—2,300 gal., 7' dia. x 8' high, T316 SS, ¼" shell, coils (some with agitators).
2—2,000 gal., 6'6" O.D. x 8' long, ¼" shell.
5—1200 gal. 5'6" dia. x 6' high, T316 SS, w/coils (some with turbine agitators).
4—1,000 gal., 5' dia. x 7' high, dished top, 42" deep conical bottom crystallizer.
7—560 gal., 3'6" dia. x 7' high, ¼", dished top, 4' deep conical bottom crystallizer.
55—Tanks and Pots from 10 gal. to 350 gal. sizes, vertical and horizontal.

CONDENSERS — HEAT EXCHANGERS — CALANDRIAS — COOLERS

1—1,450 sq. ft. condenser, stainless steel tubes, tube sheets, heads, and baffles, steel.
1—1,200 sq. ft. condenser, stainless steel tube, steel shell.
14—Condensers, 750 & 800 sq. ft. stainless steel, vertical, T316 SS tubes and heads.
9—Condensers, 356, 400, 410, 550 sq. ft., T316 SS.
6—Calandrias, 140, 145, 150, 157, 250, 277 sq. ft., T316 SS.
11—Exchangers, 64, 70, 75, 80, 100 sq. ft., T316 SS.
12—Exchangers, 20, 30, 47, 50, 52, 54 sq. ft., T316 SS.

MISCELLANEOUS EQUIPMENT

50—T316 SS Pumps, 1" to 6", 1 HP to 20 HP.
2000—Valves, T316 SS up to 10".
2—St. St. bucket elevators, 62' and 45' high.
3—Fuller 16" T316 SS rotary feeders.
4—Stainless steel screw conveyors and chutes.
1—2,000 gal. aluminum tank, 6' dia. x 10' high, coils.
1—1,000 gal. copper tank, 7'6" dia. x 3' high, ⅛".
25—Stainless steel steam jet evactors and ejectors.
18—Separators, T316 SS, 22" x 8' overall depth, cone type.
1—Croll-Reynolds #21 jet vacuum air pump, capacity 50# per hour.
1—Pneumatic Conveyor System, approx. 1150 ft. 10" dia. aluminum pipe.
Also Pipes, Steel Pumps, Steel Tanks, Agitators, etc.

IN STOCK

DOUBLE ARM MIXERS

71—Baker-Perkins size #17, 200 gal. working capacity, jacketed, sigma or duplex blades, mechanical, hydraulic, or counterweight tilt mechanisms.
1—Baker-Perkins #15, 100 gal., T304 SS, disp. blades, jktd., 75 HP, vac. cover.
1—J. H. Day 100 gal. sigma-blade, T316 SS, 10 HP.
3—Baker-Perkins sigma-blade, steel: 100, 50 gal.

ROTARY DRYERS — KILNS

2—UNUSED 7'6" dia. x 42' long Kilns, ½" shell, 10' comb. chamber.
2—7'6" dia. x 100' long kiln, ½" shell, firing hood, 30 HP M-R.
1—11' dia. x 155' long Traylor kiln, ¾" welded shell.
4—8'8" x 70' dryers, Hardinge class #XA-18, ½" dbl. shell.
1—7' x 50' dryer, Allis-Chalmers, ½" shell, indirect-direct, 50 HP.
1—6' x 50' Louisville steam-tube dryer, 15 HP M-R.
6—Dryers: 5'6" x 50', 4'9" x 30', 4'6" x 40', 4'6" x 32', 4' x 24', steel.
2—Stainless steel dryers: 4' x 12'6", 3' x 10'.
1—3' x 15' rotary dryer, Everdur metal construction.
1—Link-Belt Mono-tube dryer, 2' x 10', model #24-10.
2—4' dia. Spray Dryers, Western Precip., T304 SS, pilot size, elec. heating.

FILTERS — CENTRIFUGALS

2—OLIVER 5'3" dia. x 3' f., rot. vac. filters, pressure precoat, T316SS, ASME.
1—OLIVER 5'3" dia. x 8' f. rotary vacuum filter, UNUSED.
1—Niagara #510-28 vert. pressure leaf filter, T316 SS, 500 sq. ft.
1—Niagara #36H-110 horiz. leaf filter, T304 SS, 100 sq. ft.
1—Sparkler #33-S-28 filter, T304 SS, 150 sq. ft.
4—Sharples Super-D-Canters, #PN-14, PY-14, T316 SS.
8—Sharples #16 Super Centrifugals, T304 SS. (sep. & clarif.).
2—Sharples #18-V Super, vapor-tite, tinned-steel, 3 HP.
5—Bird horiz. contin. centrifugals: 40" x 60", 32" x 50", 18" x 28" S.S.
3—Bird type CH, 24" x 24", Monel slotted screen, continuous.
1—A.T.&M. 48" susp., T304 SS perf. basket, vapor-tite, 20 HP.
6—A.T.&M. 40" susp., T304 SS, solid basket, 40 HP, 1952.
1—Bird 40" susp., steel solid basket, 40 HP, 1800/900 RPM.
1—Fletcher 30" susp., T304 SS perf. basket, 7½ HP, 1200/600 RPM.
1—Fletcher 30" underdriven, T304 SS perf. basket, 5 HP.
1—Tolhurst 26" centerslung, T316 SS perf. basket, 2 HP XP.
1—Tolhurst 26" susp., steel perf. basket, 5 HP, 1954, 1100/550 RPM.
1—A.T.&M. 20" susp., T304 SS solid basket, 7½ HP.

EVAPORATORS — VACUUM PANS — STILLS — EXCHANGERS

2—Buflovak crystallizer-evaporators, 250, 20 sq. ft., T304 SS, 1953.
2—Nickel-clad single effect, 400, 250 sq. ft., vert. long-tube.
1—Buflovak dbl. effect, T304 SS, 588 sq. ft., vert. long-tube.
1—Struthers-Wells calandria, T347 SS, 625 sq. ft., Vacuum.
1—Bartlett-Snow evaporating kettle, 6' dia. st. st., agit.
5—Sanitary vacuum pans, T304 SS, w/coils: 6', 5', 4' dia.
1—Exchanger, 2000 sq. ft., T316 SS, 15# WP tubes, 50# WP shell.
1—Exchanger, 800 sq. ft., T316 SS, 250 WP shell, Vac. tubes.
2—Exchangers, 400 sq. ft., T304 SS tubes, T347 SS T. sheets, heads.
15—Yeast coolers (heat exchangers), 185 sq. ft., T304 SS, U-tube.

REACTORS — FERMENTERS — KETTLES

2—3000 gal. Resin Kettles, T304 SS, 7' x 10', 7½ HP XP agit.
1—1400 gal. Reactor, T316 SS, ASME 175#, 20 HP XP agit.
3—750 gal. Fermenters, T304 SS, ASME 30# int. 30# jkt., 10 HP, XP turbine agit.
6—465 gal. reactors, T304 ELC-SS 150# int. 160# jktd.
1—250 gal. reactor, SS, 40# jkt., 10 HP duplex - turbo agit.
2—125 gal. fermenters, T316 SS, ASME 30#, jkt. & int.
1—100 gal. reactor, T304 SS, ASME Vac. int., 75# jkt., UNUSED.
2—Pfaudler 750 gal. G/L reactors, jkt. & agit., impeller agit.
1—Pfaudler 150 gal. G/L reactor, ASME, jkt. & agit.
1—Pfaudler 100 gal. G/L reactor, ASME Vac. int., 75# jkt.
1—Pfaudler 30 gal. G/L reactor, 25# int., 75# jkt. agit.
2—1800 gal. Steel Kettles, 180# jkt., paddle agit., 7" valve.
1—1500 gal. Steel Reactor, ASME 600# int., 150# jkt., 25 HP XP agit.
2—1000 gal. Steel Dissolvers, 20 HP XP agit., jkt.
1—1000 gal. Cast Iron Dopp Kettle, 25 HP agit., jkt., ASME.

PRESSES

5—Komarek-Greaves Briquetting Presses, 25 tons/hr., 75 HP.
7—Stokes tablet presses, Models R, T, DDS-2, RD-4.
7—Dewatering Presses: Davenport #1A, 3A; Louisville 36", 8-roll.
1—Steeping press, HPM 63 ton, 20 x 18, 101" daylight. UNUSED.

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for CHEMICAL AND ALLIED INDUSTRIES

12—Robinson SS horizontal 255 cu. ft. blenders.

1—Steel & Alloy Tank Co. type 347 SS, 200 gal. jacketed autoclave, 250# internal and jacket pressures.

1—Steel & Alloy Tank Co. 125 gal. type 347 SS, jacketed autoclave, 250# internal and jacket pressures.

4—Steel & Alloy Tank Co. 100 gal. type 347 pressure tanks, 250# pressure.

1—Steel & Alloy Tank Co. 300 gal. type 347 SS pressure tank, 250# pressure.

1—Patterson SS jacketed double arm vacuum sigma blade mixer, 300 gal. complete with motor.

2—Baker Perkins SS double arm sigma blade jacketed mixers, 100 gal.

1—Patterson monel 4 cu. ft. double cone blender.

2—Louisville rotary steam tube dryers, 8' x 45' and 6' x 50'.

1—Traylor kiln 4' x 40'.

1—Louisville rotary dryer, 38" x 40', Type L, indirect.

1—Stokes rotary vacuum dryer, 2' x 6', steel.

10—Day Pony Mixers, 8 gal. and 16 gal.

1—Stokes stainless steel rotary vacuum dryer, 2' x 6'.

3—Stokes rotary vacuum dryers, 3' x 15', steel.

1—Stokes rotary vacuum dryer, 5' x 30'.

3—Robins SS shaker screens 3' x 6'.

2—Selectro SS shaker screens, 2' x 7', 3 deck.

1—Stokes Model DDS2 rotary tablet press.

1—Reitz S.S. Thermascrew, Model TJMK2-12 x 8.

1—Sweetland #3 SS filter, 70 sq. ft.

3—Dorrco rubber covered filters, 6' x 2'.

12—Sweetland #12 filters with SS leaves.

2—Struthers Wells type 316 SS jacketed 3500 gal. reactors, complete with coils, agitators and drives.

8—Alco type 316 SS jacketed reactors, 3000 gal. complete with Turbine agitators and drives, 50 psi jacket.

2—Pfaudler type 316 SS jacketed reactors, 750 gal.

1—Nickel storage tank, 4000 gal. 30 psi.

1—Ames 300 H. P. package steam generator, 150 psi.

1—Feinc SS rotary vacuum string filter, 3' x 3'.

10—Davis Engineering type 316 SS heat exchangers, 87, 104, 121, 139 and 170 sq. ft. (NEW).

1—Merco SS centrifuge, Model B-9.

4—Tolhurst 40" and 48" rubber covered perforated baskets centrifuges complete with motors.

2—Swenson type 316 SS vacuum crystallizers, 3'6" x 12' and 2'6" x 12', complete.

1—Vulcan SS 4' dia. x 28 trays bubble cap column.

2—Badger SS bubble cap columns, 42" x 12 trays, and 36" x 8 trays.

1—Link Belt roto louver dryer, Model 1003-30, complete.

1—Cleaver-Brooks 500 H. P. package steam generator, 150 psi.

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Pebble Mills: Patterson D 3 x 4' porc.
Disintegrators: Rietz RD18-P, steel, 75 hp.
Reactor: 50 gal. Pfaudler gl. lined, ag.
Percolators: Pfaudler, stainless, 54 x 42"
Mills: Fitzpatrick model D, st., jktd.
Crystallizers: 500 gal. stain. jack., agit.
Dryer: Porter 2 x 4' vac. drum, st. st.
Centrifugal: Tolhurst 26" rubber, 2-speed.
Mix-Mullers: Simpson Lab., Porto, #00.
Dewaterers: Davenport model 3A, 3 hp.
3-roll Mills: Day type B 14 x 30" hi-speed.

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MILLS—Hammer—00 Sturtevant 10 HP, AKB Wms. 25 HP, 3W Mikro 30 HP, #2 Gruendler 40 HP, AKBX Wms. 50 HP, 30 NF Wms. 100 HP, #50 Raymond Imp s.s.

SCREENS—12"x72" S/S Ajax, 3x5 single, 3x10 double, 3x10 double (aluminum) Tyler Hummer, 20"x81" triple, 40x84 double Rotex, Jeffrey 30"x72" w/rectifiers.

MIXERS—16 Gal. Pony, 1 c.f., 20 c.f., 30 c.f. cone, 12 c.f., 22 c.f., 26 c.f. Ribbon —52 c.f. Sturtevant Drum—110 gal. double Sigma, Day.

MILLS—Pebble—Lab Jars (new)—30x36, 36 x36, 36x42, 36x48, 72x60, porcelain lined —6'x8' Buhrstone—w/drives.

PACKERS—Valve bag—St.Regis 100LS, 105 FV w/scales—Triangle Auger type—Pneumatic Scale Capper.

FEEDERS — Hardinge — "B" Constant Weight, Draver Rotary, Jeffrey Vibrating 2A.

PUMPS—4" Viking 15HP, 4" Blackmer 25HP (unused), 3" Wilfley Acid, 1" thru 8" Centrifugal, Leiman 105CFM Vacuum

DRYERS — Rotary — 24"x22",33"x18',36"x 24' 44"x25', 4'x40', 42"x14' S/S, 12'x24'x 90" w/12 trucks, steam—68"x25' Louisville.

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LAWLER PLACE METUCHEN, N. J.
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1—PFAUDLER 750 gal., glass lined jacketed & agitated Reactor, 15 HP motor.
1—PFAUDLER 200 gal., G.L. jktd., agitated.
1—COLUMN nickel clad 6'x27', 200 PSI.
1—REACTOR 750 gal. jkt. 300 PSI.
1—COLUMN 72"x30' Type 347 stainless steel, 20 bubblecap trays.
3—TOLHURST 40" S.S. Centrifugals, Susp.
2—FLETCHER 40" Steel Centrifugals, Susp.
1—FLETCHER Whirlwind 48" Centrifugal.
1—FLETCHER 30" stainless Centrifugal, Suspended, perforated basket, vapertite.
2—OLIVER 5'3"x3' Precoat Filters 316 stainless steel, vapertite.
2—SHARPLES C-20 S.S. Super-D-Hydrators.
2—SHARPLES PN14 Super-D-Canters S.S. 316.
3—ROTO LOUVRE DRYERS Link Belt steel 502-16, 705-24; stainless 604-24.
4—316 STAINLESS STEEL Condensers, 315 sq. ft., 156—1"x8' tubes; 50PSI shell, 175PSI tubes.
5—CUPRO-NICKEL Heat Exchangers; 177; 346; 1035; 2330; 5200 sq. ft.
25—STEEL Heat Exchangers; 189; 880; 1042; 2060; 3900; 4420 sq. ft.
15—ROTARY KILNS, Dryers, Coolers, 11'x155'; 8'x125'; 8'x100'; 8'8"x70'; 8'x50'; 7'x60'; 7'x50'; 6'x50'; 6'x25'; 4'x25'; 2'x30'.
2—STEAM TUBE DRYERS 6'x50' & 6'x25'.
1—BUFFALO 5'x30' Rotary Vacuum Dryer.
1—50 gal. S.S. Jktd. Agit. Reactor.
1—DRACCO 2600cfm Dust Collector S.S.
1—GAYCO 14' Air Separator.
3—SWENSON-WALKER 24'x20' double spiral jacketed Crystallizers, 2 HP.
2—STOKES DDS-2 Tablet Presses.
1—NIAGARA Stainless Filter, 54 sq. ft.
3—SWEETLAND #10, #12 Pressure Filters, Stainless and steel leaves.
18—SHRIVER, SPERRY 12" to 42" steel, aluminum and wood Filter Presses.
4—RAYMOND 5 roll low side mills.
1—RAYMOND 30" dbl. Whizzer Separator.
10—TYLER-HUMMER Screens, 4'x6', 4'x8'.
1—10,000 gal. Propane Tank 200 PSI.
8—EVAPORATORS, 500 to 15,000 sq. ft.
1—B. & J. #1½ Rotary Cutter 30 HP XP.
1—ROBINSON Style B Cutter 30" knives.
8—JEFFREY Hammer Mills, 15"x8"; 20"x12"; 24"x18"; motor driven.
1—HARDINGE 8'x30" Conical Ball Mill.
4—KOMAREK-GREAVES 27"x23" Briquetting Presses, Feeders & 75 HP motors.

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Buflovak 36" SS one effect Evap., 100 sq. ft.
Gruendler "BB" Whirlbeater Hammer Mill.
Pfaudler 1,500 gal. Glass Tank; closed top.
Nash Hytor Vac. Pump #6, 40 HP motor.
Day 40 gallon Pony Mixer with motor.
Devine Vac. Shelf Dryer; 59" x 78", dbl. door.
BP Jktd. Mixer 100 gal. working cored arms.
Gen. American 42" x 120" Twin Drum Dryer.
Patterson ¾ gal. SS Jktd. Lab Mixer, 2 HP.
2—Mikro's—Bantam & 1SL with 5 HP motor.

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2-Raymond 4 Roller High Side Mills, Dble Cone Separator, Cyclone Fans, and Dust Collector.

3-Nash H-7 Rotary Vacuum Pumps. 30 HP motors.

1-Standard Steel 8' x 50' Rotary Dryer, Welded construction. Comp. equipped

3-Hamilton 100 gallon S. S. jacketed, agitated Kettles, 90 PSI.

1-5' 2'6" jacketed Ball Mill. 25 HP expl. proof motor.

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Chemical Specialty Licenses Manufacturing processes and use application methods for full line of chemical specialties for paper, leather, textile and metal treatments, of a prominent European manufacturer are available to a well established U. S. A. manufacturer. This is an opportunity to diversify and expand with minimum cost and starting-up time. OPD 767.

EQUIPMENT OFFERED

FOR SALE, TANKS—67 horizontal and vertical tanks ranging from 3,000-15,000 gal. cap. ea., can be purchased individually by lot, price 4c. per gal. and up, depending upon quantity. Inspection invited. Write for free listing to: Mr. Frank B. Kogler, c/o Fort Pitt Brewery, 16th & Mary Sts., Sharpsburg (Pittsburgh), Pa.

FOR SALE—Niagara diatomaceous earth filter, 275 sq. ft., with 17 stainless riveted leaves and separate stainless slurry feeder, used few years only, available in closed Michigan food plant, immediate delivery at bargain price. OPD 761.

FOR SALE—Five 2,500-gal. ea. approx. cap. Lithcote-lined tanks, purchase one or all, price $550 ea. f.o.b. truck, practically new. OPD 762.

For Sale: 40" and 26" Tolhurst suspended perforated steel Centrifuges; (6) 7,500 gal., (6) 4,500 gal. lastiglas lined Tanks; 24" x 36", 42" x 120" ASME Double Drum Dryers; 1,500 gal. Stainless Tank with coils; 750, 1,800 gal. Stainless Tanks; 150 and 120 sq. ft. Stainless Heat Exchangers; 72" dia. single effect Stainless Evaporator. Best Equipment Company, 1737 W. Howard St., Chicago 26, Illinois. AMbassador 2-1452.

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Stokes 3 DDS2, 2 DS3.
Baker Perkins, 150 and 100 gal. S.S. 2 arm.
40 HP & 50 HP jacketed, vacuum, hydr. tilt.
Blaw-Knox 2 gal. S.S. Autoclave 5,000 lb.
Vulcanizer 60" x 9' 125 lbs.
Sweetland #2 all stainless.
Stainless steel Ball Mill.
Aluminum Condenser 350 square feet.
4-24" Filter Press S.S. Fittings Wood Fr.
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#2 Sweetland Filter, 23 leaves, 1½" centers.
(8) Sperry 18" C.I. Filter Presses, Type 41.
Hersey Hot Air Dryer, 5'x26'-4" lg., S.S. shell.
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J.H. Day 75-gallon Jacketed Mixer.
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Barclay CHEMICAL COMPANY, INC.
77 VARICK STREET NEW YORK 13, N.Y. WO 6-4511

EQUIPMENT OFFERED

For Sale: 2HP, totally enclosed, back geared, Lightnin Mixer; 2—Bantam Micro Pulverizers; Day, 40 gallon Pony Mixer; 2 — Ross 12" x 30" high speed Roller Mills; Swanson automatic friction Capper. Sell Us Your Surplus Equipment, Irving Barcan Company, 249-51 Orient Avenue, Jersey City 5, N. J. DElaware 2-6695.

Used Walk-In refrigerator ice box, cork insulated, with compressor and coils. 5½'x5½'. OPD 768.

EQUIPMENT WANTED

Wanted one revolving drum shaker with perforated holes ¼ inch or less to hold 500 pounds while working. OPD 763.

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Large company in Seattle, Washington has available at reasonable toll charge extra capacity for mixing or blending and packaging in open mouth multi-wall paper bags. Also adequate warehouse space, rail and truck distribution facilities. Equipment especially designed to produce dry powder products such as fertilizer, casein glue, soy flour products, and dry chemical mixtures. Write OPD 755.

MATERIALS OFFERED

200,000 lbs. Dichloro Dimethyl Hydantoin; continuous Sodium Benzoate 32c.; 100,000 lbs. 2:5 Dichloronitrobenzene; 6,000 lbs. Aluminum Phenol Sulfonate (Mallinckrodt). Industrial By-Products & Surplus Co., 40-40 Lawrence St., Flushing 54, New York. Independence 1-4100.

POSITIONS OFFERED

EXPORT SALES—Established Chemical Export Firm seeks Sales Manager, good correspondent, excellent opportunity. Complete resume to OPD 764.

POSITIONS WANTED

Chemist: Former Government chemist available. Control and supervisory experience for drug manufacturer or wholesaling establishment requiring qualified chemist to comply with latest regulations N. Y. State Education (Pharmacy) law. Long Island, N. Y. City area desired. OPD 765.

REPRESENTATION OFFERED

SALES REPRESENTATIVES: Aggressive, chemically trained sales group presently covering Ohio and western Pennsylvania, desires additional lines for industrial markets in this area. Widely acquainted in the paint and plastic field. OPD 766.

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We are interested in receiving your lists of surplus. We have inquiries now for Horizontal Spiral Mixers, Jacketed and Agitated Reactors, Dryers and Coolers, and many other items.

We can help you sell your surplus at advantageous prices.

Write or telephone:
THE MACHINERY & EQUIPMENT CORP.
Newark 12, N. J. TAlbot 4-2050

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1—Sperry 36" cld. delvy. plt. & frm.
ALUMINUM Filter Press, 30 chambers
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1—Robinson STAINLESS Gyro Sifter, single deck, 36x60".
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1—Lee 150 gal. S.S. Kettle, 40# jkt.
1—Tolhurst 30" S.S. Extractor, ex. proof.
72—#12 Sweetland vertical sight glass fittings.
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DALLAS (DAvis 1-0898)—John Printup & Associates, 2607 Millmar Drive, Dallas 28, Tex.
LOS ANGELES (DUnkirk 7-4388)—Robert W. Walker Company, 730 South Western Avenue, Los Angeles 5, Calif.
SAN FRANCISCO (SUtter 1-5568)—Robert W. Walker Company, 57 Post Street, San Francisco

Bids Wanted

Aluminum Sulfate, 170 M/T, PA No. 89-390-99-PI-9260, June 6, Korea Paper Mfg. Co., Ltd., #38-3, Tongja-Dong, Chung-ku, Seoul, Korea.

Carbon Dioxide, solidified, 322,000 lbs., in a/w Fed. Specs. BB-C-104 & Amend. 1, est. requirements for the period from 1 July, '59 to 30 June, '60, Bid IFB 207-104-59, June 2. Supply Officer, Naval Air Station, Jacksonville, Fla.

Hydrofluoric Acid, 60% aqueous, est. 2,640 lbs. bids to result in a requirements type contract for one yr.; Bid IFB ORD-29-040-59-262, June 11, Purchasing & Contracting Div., White Sands Missile Range, N. Mex.

Methyl Ethyl Ketone, tech., 35,000 gals., Bid IFB 59-151B, June 3, Military Petroleum Supply Agency, Washington 25, D.C.

Nitric Acid, 270,000 lbs., Bid IFB ORD-29-040-59-262, June 11, Purchasing & Contracting Div., White Sands Missile Range, N. Tex.

IMPORTS at United States Ports

New York

ACENAPHTHENE—30 dms, Rotterdam
AGAR—150 bls, S B Penick & Co, Pusan
100 cs, S B Penick & Co, Pusan
ALUMINUM SULFITE—13 dms, Winslow Manley, Liverpool
AMBER OIL—1 dm, Kline & Co, Puerto Cortes
AMINOPYRINE—5 dms, Hamburg
p-AMINOSALICYLIC ACID—32 dms, D F Young, Gothenburg
ANILINE DYES—16 dms, Sandoz Inc, Havre
192 dms, Putnam Chemical Corp, Hamburg
86 dms, Geigy Chemical Corp, Bremerhaven
12 dms, Carbic Color & Chemical Co, Rotterdam
4 dms, Ciba Co, Liverpool
3 dms, Heemsoth Kerner, Liverpool
20 dms, L & H Organic Products Co, Liverpool
11 dms, Rotterdam
ANNATTO SEED—70 bgs, Grace National Bank, Kingston
231 bgs, H Kohnstamm & Co, Kingston
470 bgs, Dorf International, Kingston
185 bgs, Marcel Calvet, Kakinada
ANTIMONY—20 cks, Watson Geach, Liverpool
ANTIMONY OXIDE—300 bgs, C Gitlan, Antwerp
650 bgs, Hull
ANTIMONY REGULUS—560 cs, Mercantile Metal & Ore Corp, Rijeka
ANTIPYRINE—20 dms, Hamburg
ARABIC GUM—500 bgs, Colony Import & Export Corp, Port Sudan
1,000 bgs, Morningstar Paisley Inc, Port Sudan
500 bgs, H Heide, Port Sudan
508 bgs, Duche Uni Gum Corp, Port Sudan
250 bgs, S B Penick & Co, Port Sudan
50 bgs, Stein Hall & Co, Port Sudan
100 bgs, Lo Curto & Funk, Port Sudan
ARSENIC, WHITE—110 bbls, American Smelting & Refining Co, Tampico
AUREOMYCIN—36 dms, American Cyanamid Co, Antwerp
BARIUM HYDROXIDE—240 bgs, Rotterdam
BEESWAX—50 bgs, H H Pike & Co, Havana
63 bgs, S Zeitlins Sons, Santos
101 blks, Empire Trust Co, Assab
24 bgs, F D Keller & Son, Vera Cruz
22 bls, R B Willson & Co, Progreso
15 bgs, Machado & Co, Ciudad Trujillo
10 bgs, Machado & Co, Puerto Plata
50 bgs, Kane Import Corp, Puerto Plata
100 bgs, Rio de Janeiro
39 bgs, Tampico
BENZOSULFIMIDE—20 dms, Chemo Puro Manufacturing Corp, Yokohama
BOIS DE ROSE OIL—24 dms, Hollander Trading Corp, Paramaribo
5 dms, Hollander Trading Corp, Callao
BONE CALCIUM PHOSPHATE—80 dms, Gallard Schlesinger, Liverpool
BRUCINE ALKALOID—4 cs, Kellys America Ltd, Antwerp
CALCIUM-p-AMINOSALICYLATE—11 dms, D F Young, Gothenburg
CALCIUM CARBONATE—800 bgs, Hammill & Gillespie, Hull
1,000 bgs, Smith Chemical & Color Co, Hull
1,000 bgs, Pluess Staufer, Antwerp
CALCIUM GLUCONATE—30 bbls, Genoa
CALCIUM LACTATE—3 dms, Natural Nydegger, Rotterdam
CAMPHOR POWDER—100 cs, I Levine, Kobe
CANDELILLA WAX—188 bgs, Frank B Ross, Tampico
188 bgs, Cornelius Wax Refining, Tampico
313 bgs, Tampico
CARAWAY SEED—200 bgs, J F Frank, Antwerp
100 bgs, Levy & Levis Co, Antwerp
200 bgs, Louis Furth, Gdynia
500 bgs, C Happel, Gdynia
150 bgs, Levy & Levis Co, Rotterdam
300 bgs, Rotterdam
CARBON TETRACHLORIDE—49 tons, Steuber & Co, Hemiksen
CARDAMOM SEED—35 cs, Wm E Martin & Sons, Puerto Barrios
CARNAUBA WAX—295 bgs, N American Cocoa Trading Co, Salvador
59 bgs, Chase Manhattan Bank, Salvador
59 bgs, J H Schroder, Salvador
183 bgs, Intermaritime Forwarding Co, Paramaribo
200 bgs, Cera Cafe Trading Co, Paramaribo
222 bgs, Paramaribo
CASEIN—1,500 bgs, F C Gerlach, Buenos Aires
1,000 bgs, National City Bank, Buenos Aires
1,000 bgs, Tupman Thurlow, Buenos Aires
728 bgs, F H Paul & Stein Bros, Oslo
220 bgs, Royal State Bank, Hamburg
CASSIA—43 bls, Rotterdam
CASTOR OIL—301 tons, Spencer Kellogg, Rotterdam
200 tons, G. Degan & Co, Recife
250 tons, Recife
600 tons, Salvador
CETYL ALCOHOL—112 bgs, Orbis Products Corp, Liverpool
CHAMOMILE FLOWERS—10 cs, Karl H Landes & E Balint, Hamburg
CITRONELLA OIL—100 dms, George Uhe Co, Keelung
COCONUT OIL—505 tons, P J Hanrahan, Rotterdam
518 tons, E F Drew & Co, Rotterdam
COD OIL—100 dms, M L Bistritzky, Bremen
CODLIVER MEAL—400 bgs, Whitmoyer International Ltd, Reykjavik
CODLIVER OIL—115 dms, Dyson Shipping Co, Reykjavik
34 tons, Whitmoyer International Ltd, Reykjavik
COPAL GUM—70 bkts, O G Innes Corp, Macassar
COPPER CYANIDE—150 dms, Chemical Manufacturing Co, Liverpool
50 dms, Amplex Chemical Co, Hamburg
CORN STARCH—600 bgs, Impex Agricultural Commodities, Rijeka
100 bgs, Geismar & Co, Rotterdam
1,206 bgs, Rotterdam
CORNMINT OIL—5 dms, Lautier Fils Inc, Rio de Janeiro
6 dms, Fritzsche Bros, Santos
CRESYLIC ACID—399 tons, Manchester
DEGRAS—50 dms, Gallard Schlesinger, Bremen
300 cs, N I Malmstrom, Kobe
26 dms, H A Gogarty, Kobe
53 dms, H A Gogarty, Nagoya
89 dms, N I Malmstrom, Nagoya
44 dms, Lanaetex Products, Dunedin
3 dms, Genoa
DEXTRIN—70 bgs, Rotterdam
DIACETYL—10 cbys, Fritzsche Bros, Antwerp
1 cs, Ungerer & Co, Antwerp
DICHLONE—80 dms, U S Rubber Co, Gothenburg
DIETHYL ACETAMIDOMALONATE—1 dm, Geigy Chemical Corp, Liverpool
DYES, COALTAR—2 dms, Hensel Bruckmann & Lorbacher, Hamburg
5 dms, Orlex Dyes & Chemical Corp, Hamburg
9 dms, Caldwell & Co, Hamburg
23 dms, Putnam Chemical Corp, Hamburg
12 dms, C A Haynes, Rotterdam
135 dms, Hensel Bruckmann & Lorbacher, Rotterdam
18 dms, Orlex Dyes & Chemical Corp, Rotterdam
128 dms, Rotterdam
EARTH COLORS—17 dms, Hensel Bruckmann & Lorbacher, Bremen
125 bgs, Chase Manhattan Bank, Bremen
2,165 bgs, Naftone Inc, Rotterdam
10 ctns, United Ultramarine & Chemical Co, Rotterdam
225 bgs, Naftone Inc, Bremen
1,125 bgs, Rotterdam
EUCALYPTUS OIL—24 dms, S B Penick & Co, Dares Salaam
FENNEL SEED—200 bgs, Buenos Aires
FISHLIVER OIL—8 dms, Arista Oil Products Co, Yokohama
FISHMEAL—660 bgs, Marine Midland Trust Co, Callao
FLUORENE—2 dms, G A Abood, Rotterdam
GALL—2 cks, Wilson & Co, Timaru
4 dms, Wilson Lab, La Guaira
GARLIC OIL—2 cs, Magnus Mabee & Reynard, Yokohama
GELATIN—125 bgs, Manhattan Adhesives Corp, Hamburg
500 bgs, Duche Uni Gum Corp, Antwerp
94 dms, Hensel Bruckmann & Lorbacher, Rotterdam
200 bgs, Colloids Inc, Hull
100 bgs, Manhattan Adhesives Corp, Rotterdam
GHATTI GUM—307 bgs, Jacques Wolf & Co, Bombay
57 bgs, Morningstar Paisley Inc, Bombay
34 bgs, Colony Import & Export Corp, Bombay
GINGER—140 bgs, S B Penick & Co, Kingston
112 bgs, East India Trading Co, Kingston
112 bgs, A G Dunn, Kingston
31 bgs, W L Willner, Kingston
171 bgs, Karl H Landes & E Balint, Kingston
60 bgs, Van Loan & Co, Kingston
124 bgs, Otto Gerdau, Kingston
60 bgs, Meer Corp, Kingston
496 bgs, M J Golombeck, Lagos
244 bgs, Union Merchants Overseas Ltd, Lagos
95 bgs, Kellys America Ltd, Liverpool
GLUE—256 dms, M Corbett, Marseilles
GLUESTOCK—503 bls, A M Goldstein, Barranquilla
219 bls, Barranquilla
GLYCERINE—83 dms, R P Casado, Havana
GLYCINE—20 cks, H A Gogarty, Rotterdam
GRAPHITE—540 bgs, Asbury Graphite Mills, Bergen
GUAR GUM—50 bgs, Duche Uni Gum Corp, Rotterdam
670 bgs, J L Quesada, Valencia
100 bgs, Meer Corp, Genoa
GYPSUM, CRUDE—20,671 tons, U S Gypsum Co, Hantsport
HEXACHLOROCYCLOHEXANE—20 dms, N Y Quinine & Chemical Works, Hamburg
IODINE, CRUDE—100 kgs, Bunge Corp, Yokohama
IRON OXIDE—441 bgs, Whittaker Clark & Daniels, Malaga
1,300 bgs, C K Williams & Co, Malaga
1,600 bgs, Smith Chemicel & Color Co, Malaga
1,200 bgs, C J Osborn Co, Malaga
435 bgs, C B Chrystal Co, Malaga
870 bgs, Reichard Coulston, Malaga
46 dms, Hudson Shipping Co, Oslo
ISOSAFROEUGENOL—2 cs, Export Import Services, Yokohama
ISONICOTINIC ACID HYDRAZIDE—20 kgs, American Roland Corp, Genoa
JUNIPER BERRY OIL—1 ck, Kolon Trading Co, Hamburg
KARAYA GUM—133 bgs, Stein Hall & Co, Bombay
316 bgs, Morningstar Paisley Inc, Bombay
124 bgs, Nehls & O'Connell, Bombay
61 bgs, Block Drug Co, Bombay
61 bgs, Colony Import & Export Corp, Bombay
KRYPTON—2 btls, Air Reduction Sales Co, Hamburg
LACTOSE—260 dms, Chas L Huisking & Co, Liverpool
53 dms, Presto Shipping Co, Rotterdam
10 dms, R J Saunders & Co, Rotterdam
LEAD, WHITE—100 bgs, Revelli Chemical Co, Rotterdam
LEMON OIL—1 dm, Polak & Schwarz, Vera Cruz
LEMONGRASS OIL—16 dms, N Y Merchandise Co, Cochin
LIME OIL—1 dm, Citrus & Allied Essential Oils Co, Puerto Plata
LITHARGE—184 dms, Eagle Picher Co, Tampico
LIVERMEAL—400 bgs, Wessel Duval & Co, Dunedin
180 bgs, Furstenberg & Co, Bluff
500 bgs, Wessel Duval & Co, Timaru
LOCUST BEAN GUM—100 bgs, Duche Uni Gum Corp, Rotterdam
112 bgs, Stein Hall & Co, Tarragona
1,000 bgs, J L Quesada, Valencia
100 bgs, Meer Corp, Genoa
LOGWOOD EXTRACT—81 cks, American Dyewood Co, Kingston
MACE—26 cs, J F Frank, Semarang
35 cs, Macassar
MAGNESITE—330 bgs, Smith Chemical & Color Co, Rotterdam
3,910 bgs, Cochin
MAGNESIUM CARBONATE—1,200 bgs, Reheis Co, Liverpool
MANGANESE DIOXIDE—3 cs, Amplex Chemical Co, Yokohama
MANGROVE BARK—3,155 bgs, Chemical Bank, Kilwa Masoko
MARJORAM LEAVES—60 bls, Hismoco American Co, Marseille
MENTHOL—10 cs, Chase Manhattan Bank, Santos
150 cs, Mitsui & Co, Santos
50 cs, Marubeni Iida Co, Santos
MERCURY—200 flks, Ayrton Metal & Ore Corp, Tampico
155 flks, Callao
60 flks, Vera Cruz
MESITYLENE—3 cs, G A Abood, Rotterdam
METHYLENE CHLORIDE—149 tons, Steuber & Co, Hemiksen
MINERAL WAX—560 bgs, Strohmeyer & Arpe, Hamburg
MINERAL VIOLET—20 dms, Landers Segal Color Co, Rotterdam
MOLASSES—477 tons, W R Grace & Co, Salaverry
MONOSODIUM GLUTAMATE—50 dms, Ajinomoto Co, Yokohama
MONTAN WAX—300 bgs, Cornelius Wax Refining, Hamburg
MUSTARD OIL—10 cs, Florasynth Lab, Rotterdam
MYROBALANS—1,350 bgs, Hammond & Carpenter, Bombay
NIGER SEED—83 bgs, National City Bank, Istanbul
NUTMEG—140 bgs, Ungerer & Co, Rotterdam
275 bgs, Rotterdam
OLEYL ALCOHOL—53 dms, Olympic Shipping Co, Liverpool
OLIBANUM GUM—300 bgs, National City Bank, Aden
OLIVE OIL—167 dms, D Nicolaou, Sfax
243 dms, M DeRosa, Sfax
100 dms, J Ossola, Sfax
300 dms, B M Reeves, Sfax
25 dms, Asaro Bros, Sfax
50 dms, Swiss Credit Bank, Sfax
100 dms, Venice Importing Co, Sfax
75 dms, Westeren Food Corp, Sfax
25 dms, Ambriola Co, Sfax
25 dms, A Corrao, Marseille
101 dms, Malaga
ORANGE PEEL—75 bgs, Malaga
ORIGANUM OIL—1 dm, Larnaca
OURICURY WAX—250 bgs, N American Cocoa Trading Co, Salvador
46 bgs, Bank of N Y, Salvador
56 bgs, Marine Midland Trust Co, Salvador
PALM OIL—75 dms, Borden Co, Antwerp
PALMKERNEL OIL—751 cs, B M T Commodity Corp, Rotterdam
PAPAIN—40 cs, Mombasa
PEPPER, BLACK—160 bgs, Jacoberg Overseas Inc, Singapore
469 bgs, A G Dunn, Singapore
240 bgs, Alleppey
PEPPER, RED—200 bgs, M J Golombeck, Kobe
22 bgs, Halford Lewis Ltd, Kobe
PETITGRAIN OIL—12 dms, Lo Curto & Funk, Buenos Aires
4 dms, J D Walsh Co, Buenos Aires
22 dms, Wessel Duval & Co, Buenos Aires
a-PICOLINE—79 dms, G A Abood, Rotterdam
POLYVINYL CHLORIDE—22 cs, Petal Sales Corp, Bremen
POLYVINYL CHLORIDE RESIN—2,000 bgs, Mitsubishi International Corp, Yokohama
PRUSSIAN BLUE—30 dms, Van Oppen & Co, Liverpool
PYRETHRUM EXTRACT—12 dms, Mombasa
PYRROLIDONE—9 dms, Gerhard & Hey, Rotterdam
20 dms, Biddle Sawyer Corp, Rotterdam
2 cs, Henley & Co, Rotterdam
QUASSIA CHIPS—375 bgs, S B Penick & Co, Kingston
QUEBRACHO EXTRACT—7,827 bgs, Barkey Importing Co, Buenos Aires
4,655 bgs, American Tanners Ltd, Buenos Aires
500 bgs, International Products Corp, Buenos Aires
ROSEMARY LEAVES—100 bls, Split
SESAME SEED—1,333 bgs, Independent Halvah & Candies, Puerto Barrios
SHELLAC—180 bgs, F H Paul & Stein Bros, Rotterdam
SODA, CAUSTIC—540 dms, B T Chemco Inc, Gothenburg
SODIUM ALGINATE—25 dms, Stein Hall & Co, Glasgow
SODIUM-p-AMINOSALICYLATE—44 dms, D F Young, Gothenburg
SODIUM BICARBONATE—500 bgs, Chemical Manufacturing Co, Liverpool
SODIUM SILICOFLUORIDE — 360 bgs, Impex Metals Corp, Rijeka
STEARIC ALCOHOL—25 bgs, Orbis Products Corp, Liverpool
SULFABENZAMIDE SODIUM—20 dms, W J Bush & Co, Kobe
TALC—8,155 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—1,000 bgs, Manhattan Adhesives Corp, Itajai
THYME LEAVES—60 bgs, Hismoco American Co, Marseille
TITANIUM DIOXIDE, RUTILE & ANATASE—820 bgs, Nylos Trading Co, Genoa
TOLU BALSAM—50 cs, Meer Corp, Barranquilla
4 dms, Ungerer & Co, Puerto Barrios
6 dms, Nevin Essential Oil & Chemical Co, Puerto Barrios
TRICHLOROETHYLENE—298 tons, Steuber & Co, Hemiksen
446 tons, Chemical Manufacturing Co, Liverpool
50 dms, Chemical Manufacturing Co, Liverpool
100 dms, Gothenburg
336 dms, Hamburg
TUNG OIL—240 tons, Pacific Vegetable Oil Corp, Buenos Aires
TURMERIC—80 bgs, A A Sayia, Alleppey
80 bgs, Otto Gerdau, Alleppey
80 bgs, Kellys America Ltd, Cochin
80 bgs, Alleppey
56 bgs, Kingston
ULTRAMARINE BLUE—130 bgs, Whittaker Clark & Daniels, Hull
120 bgs, Antwerp
UREA, SYNTHETIC—4,000 bgs, Chemical Manufacturing Co, Liverpool
VANILLA BEANS—16 cs, Dammann & Co, Vera Cruz
15 cs, George Uhe Co, Marseille
15 cs, L A Champon & Co, Semarang
2 cs, Dakaria
VALONIA EXTRACT—711 bgs, Olsen Importing Co, Piraeus
VETIVER OIL—1 dm, Givaudan Corp, Antwerp
6 dms, Ulinindo Corp, Port Au Prince
WATTLE EXTRACT—360 bgs, Barkey Importing Co, Durban
552 bgs, Big A River Plate Corp, Durban
ZINC OXIDE—176 bgs, Lo Curto & Funk, Liverpool
ZINC SULFIDE—800 bgs, C J Osborn Co, Rotterdam

Los Angeles

AGAR—26 cs, Moorhead & Co, Yokohama
17 dms, Moorhead & Co, Cadiz
COPRA—1,300 tons, American Trust Co, Taclobsn
500 tons, American Trust Co, Legaspi
COPRA CAKE—4,480 bgs, Balfour Guthrie, Manila
FISHMEAL—2,000 bgs, Brown Bros, Callao
2,174 bgs, Guaranty Trust Co, Callao
100 tons, Guaranty Trust Co, Callao
130 tons, Callao
NUTMEG—42 bgs, California Commodities Corp, Singapore
OLIVE OIL—50 dms, Glencourt Importing Co, Cadiz

Philadelphia

AMMONIUM CHLORIDE—230 bgs, Bremen
CASEIN—560 bgs, National Casein Co, Melbourne
200 bgs, Melbourne
CHESTNUT EXTRACT—2,940 bgs, Chase Manhattan Bank, Naples
MOLASSES—1,899,287 gals, S Western Sugar & Molasses Co, San Pedro de Macoris
1,071,298 gals, S Western Sugar & Molasses Co, Port Au Prince
PHOSPHATE ROCK—3,900 tons, H J Baker & Bro, Curacao
QUEBRACHO EXTRACT—1,032 bgs, Barkey Importing Co, Buenos Aires
1,032 bgs, First National Boston, Buenos Aires
SULFUR, CRUDE—3,963 tons, E I Dupont de Nemours & Co, Coatzcoalcos
UREA—1,000 bgs, Nylos Trading Co, Genoa
WATTLE BARK—1,370 bls, Hammond & Carpenter, Durban
ZIRCON SAND—1,000 bgs, Frank Samuels & Co, Brisbane
10,000 bgs, Union Carbide Co, Brisbane
5,641 bgs, Brisbane
560 bgs, Sydney

San Francisco

CASEIN—800 bgs, J R Spellacy, Sydney
CELERY SEED—85 bgs, Hismoco American Co, Bombay
COPRA—250 tons, Cargill Inc, Tabaco
500 tons, Cargill inc, Legaspi
500 tons, Cargill Inc, Tacloban
434 tons, Cargill Inc, Jagna
1,000 tons, Surigao
OLIVE OIL—52 dms, A Arenzon Co, Cadiz
26 dms, R Vannucci Co, Cadiz
PEPPER, BLACK—945 bgs, California Commodities Corp, Singapore
SODIUM BICARBONATE—500 bgs, C M C Chemicals Inc, Liverpool
ZINC OXIDE—1,600 bgs, Harrison & Crossfield, Liverpool

Chemical People Still

—Continued from page 5

prices may be placed into effect, he added, would amount to a freezing of prices by government.

Gen. Hull listed several broad objections to the bill. If enacted, he said, it would:

- Discourage price reductions for fear that price rises thereafter could take effect only at the cost of required waiting for public hearings.
- Contribute to price rigidity or "freezing" that inhibits price flexibility considered desirable by many.
- Induce reduction in quality, content, purity, durability, service or other desirable features as measured to meet increased costs.
- Inhibit product improvements that are more expensive.
- Cause high prices for newly invented or developed products.
- Prompt non-price competition at the expense of price competition.
- Increase economic instability by accentuating fluctuations in orders and inventory practice in event of a price increase pre-notification.

US Exports Limping

—Continued from page 7

million in 1954 to $56 million in 1958. In 1954, 60 percent of our foreign sales (excluding Canadian sales) were goods exported from the United States. In 1958 this percentage decreased to 25 percent."

The picture drawn by the statistics is an obvious one. US production is moving overseas. Why? Mr. Knoppers has the answers.

"Hourly wages in manufacturing in this country" he said, "are three times as high as in the United Kingdom and almost four times as high as in Germany. The share of the United States in world exports of manufacturers slipped to 24 percent in the second half of 1958 from 26 percent during January-June of 1957.

"In the first quarter of 1959," he added, "the United States export surplus was reduced to the unusually small total of $271 million, one-third of the first quarter of 1958 export surplus."

The pattern of our import and export trade is obviously affected drastically by the trend of direct foreign investments of US companies abroad, he told his audience.

"In the post war years, US firms have increased their direct foreign investments by $20 billion, nearly three times as much as the value of such investments at the end of 1946," he concluded.

DuPont, Macy's Go

—Continued from page 5

what firms were big in the Macy's sales picture clinched the job for duPont.

The survey showed, the chemical firm says, that duPont items are sold in 172 of Macy's 177 departments.

A tally of just how many duPont items are sold by Macy's was given up after the count had reached astronomical heights without showing any sign of being completed.

The three promotions set for later this year will include a home furnishing and "back to school" apparel program (in August) and a new duPont fiber fall and winter weight suit campaign in September.

Air Pollution With Us

—Continued from page 4

assist the states and local communities in controlling the problem.

He said that the authority for public hearings on broad questions of air pollution is desirable as a means of providing federal leadership in dealing with such problems. The recommendations resulting from such investigations and public hearings, he added, would not be binding on the participants and the purpose of such hearings would be simply to develop such recommendations as a means of focusing public attention and support for carefully considered solutions.

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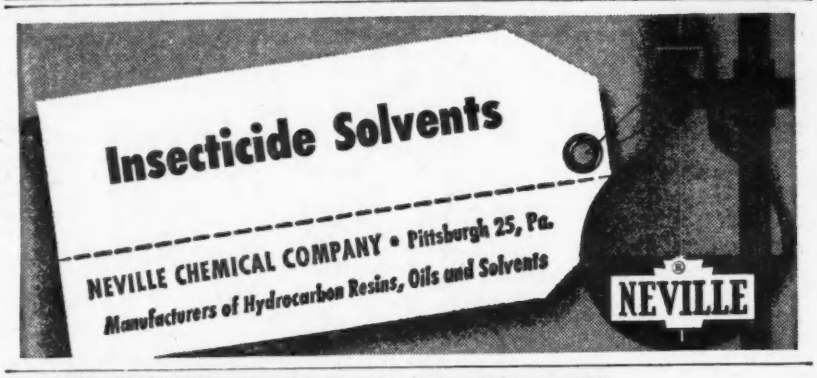
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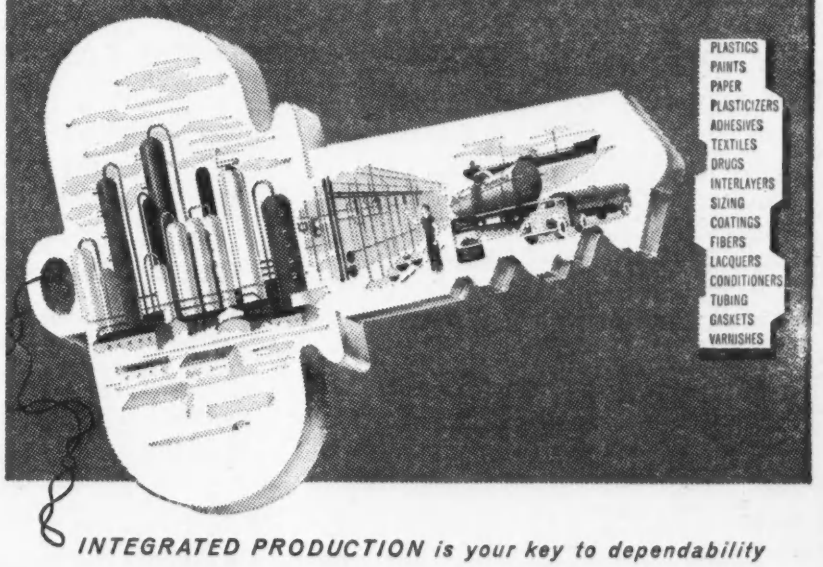

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